



FY 1987  
UNIFIED PLANNING WORK PROGRAM  
for the  
GRAND JUNCTION URBANIZED AREA

Prepared by the  
Grand Junction Area Metropolitan Planning Organization

and the

Colorado Department of Highways,  
Program Management Branch

In cooperation with the  
U.S. Department of Transportation,  
Federal Highway Administration

June, 1986

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June, 1986

Figure 1  
TRANSPORTATION PLANNING TERMINOLOGY

Air Quality Control Commission.....	AQCC
Colorado Department of Highways.....	CDOH
Continuing, Comprehensive and Cooperative Transportation Planning Process.....	"3C" Process
U.S. Department of Transportation.....	DOT
Federal-Aid Highway Program Manual.....	FHPM
Federal Aid System.....	FAS
Federal-Aid Urban System.....	FAUS
Federal Highway Administration.....	FHWA
Highway Planning and Research Funds.....	HPR
Metropolitan Planning Organization.....	MPO
FHWA planning funds made available through CDOH to the MPO for "3C" process.....	PL Funds
Technical study funds for UMTA made available to the MPO for "3C" process.....	Section 8 Funds
State Implementation Plan.....	SIP
Title VI of the U.S., Civil Right Act of 1964, as amended.....	Title VI
Transit Development Program.....	TDP
Transportation Improvement Program.....	TIP
Transportation Policy Advisory Committee.....	TPAC
Transportation Technical Advisory Committee.....	TTAC
Unified Planning Work Program.....	UPWP
Urban Mass Transportation Administration.....	UMTA
Urban Transportation Planning Process.....	UTPP
Vehicle Miles Traveled.....	VMT

June, 1986

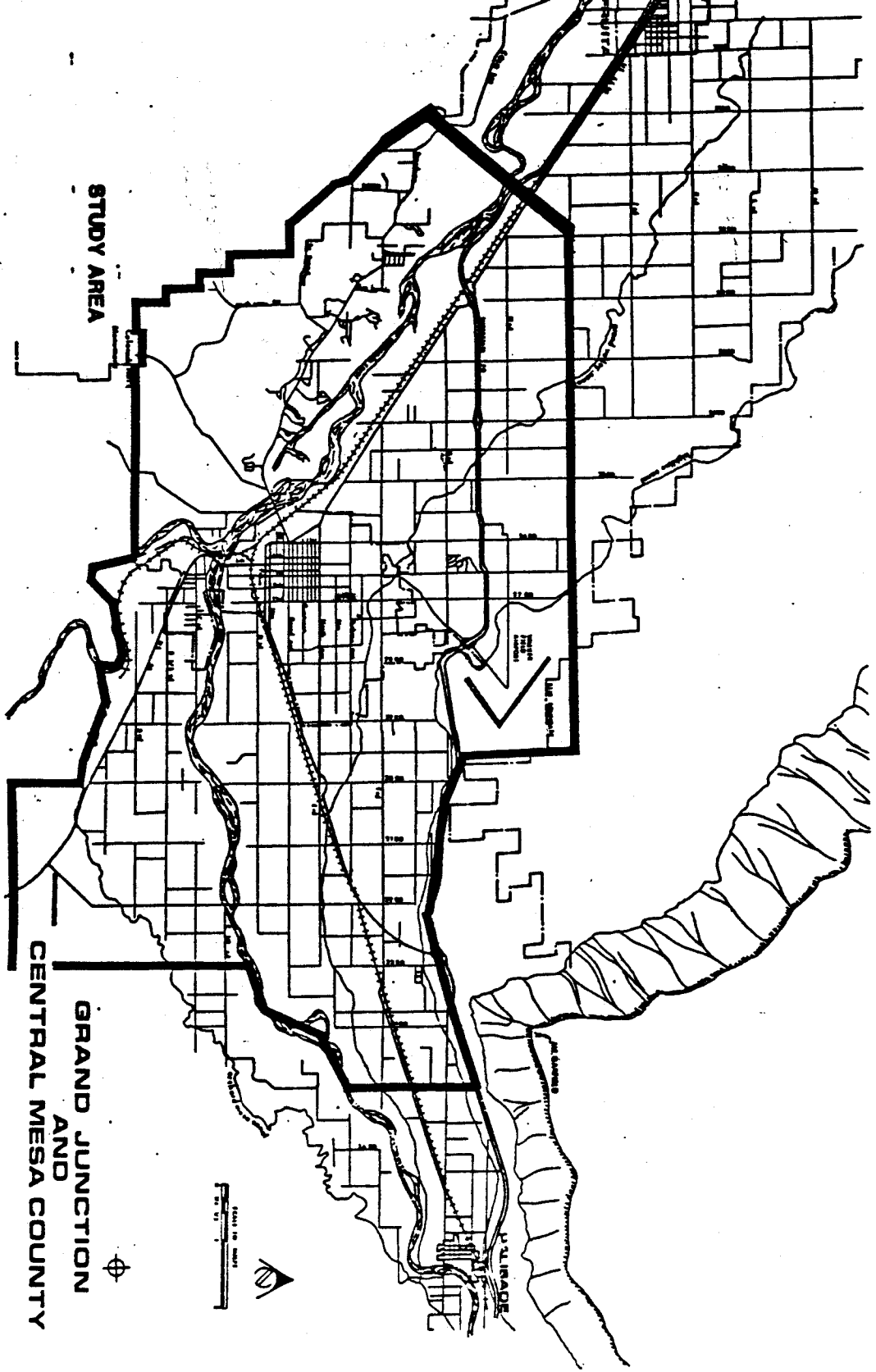
## Introduction

The Unified Planning Work Program describes planning tasks and personnel costs and budget funds for the Fiscal Year 1987 (October 1, 1986 - September 30, 1987). The Metropolitan Planning Organization (MPO), composed of Grand Junction and Mesa County elected officials and staff, coordinates this planning with State officials from the Highway Department and the Health Department, which, through the Air Quality Control Commission, is charged with protecting air quality throughout Colorado. The goal of this planning process is an efficient, effective transportation system.

To further the continuing, comprehensive, and cooperative planning for the Grand Junction Urbanized Area (Fig. 2), the Federal Highway Administration provides PL funds to the MPO under the administration of the State Highway Department. For 1987 the funds available from PL will be \$36,200, with an additional amount of \$68 in carryover funds, which is matched at a 12.99% ratio by the MPO. Thus, for every \$100 expended by the MPO on approved tasks, \$87.01 will be reimbursed by PL funds up to the budgeted amount. The Highway Department, as the Contract Administrator, monitors the timely accomplishment of tasks and the reimbursement process.

In addition, the Highway Department actively participates in the planning process through the provision of technical services. (See Figure 3 for the MPO structure.)

For 1987 most PL funds will be channeled to local agencies providing staff and resources to completion of the tasks.



STUDY AREA

GRAND JUNCTION  
AND  
CENTRAL MESA COUNTY



**FIGURE 3**  
**METROPOLITAN PLANNING ORGANIZATION**  
**LOCAL REVIEW PROCESS**

DECISION MAKING BODIES	
Mesa County Commissioners	Grand Junction City Council

:  
:  
:  
:

TRANSPORTATION POLICY ADVISORY COMMITTEE (TPAC)	
Grand Junction City Council Designee	
Mesa County Commissioners Designee	
State Highway Commission Designee	
Colorado Air Quality Control Commission Designee	
Federal Highway Administration Designee	

:  
:

MESA COUNTY HUMAN RESOURCE DEPT.	MPO Administration
----------------------------------	-----------------------

TRANSPORTATION TECHNICAL ADVISORY COMMITTEE (TTAC)	GRAND JUNCTION CITY PLANNING COMMISSION  MESA COUNTY PLANNING COMMISSION
Colorado Department of Highways District 3 Colorado Department of Highways Division of Transport. Plng. Grand Junction City Planning Mesa County Planning Grand Junction Public Works Mesa County Engineering Mesa County Human Resource Colorado Department of Health Air Pollution Control Div. Federal Highway Administration Urban Mass Transportation Admin.	

June 1986

Summary of the Budget

For 1987 it is proposed that \$47,683 be expended by the MPO on transportation planning. \$11,415 would be the required match from Grand Junction and Mesa County. \$36,268 would be provided by PL funds - \$30,200 from the Fiscal Year 1987 allocation and \$68 from carryover funds. The breakdown of these funds by task-group and agency is shown below.

\*The Mesa County Human Resource Department will budget \$24,000 for an up-dated Transportation Development Plan (TDP) as required by UMTA. Funding would come from an UMTA Section 8 Grant (80% Federal, 20% Local).

TABLE 1

T A S K G R O U P	A G E N C Y					
	LOCAL	HPR and PL FUNDS	TOTAL LOCAL	UMTA	CDOH	TOTAL
A. Management	\$ 1,762	\$11,798	\$13,560	-0-	\$17,196	\$30,756
B. Monitoring	\$ 1,226	\$ 8,214	\$ 9,440	-0-	60,000	\$69,440
C. Planning	\$ 6,661	\$ 4,422	\$11,083	\$24,000	-0-	\$11,830
D. Implementation	\$ 1,350	\$ 9,050	\$10,400	-0-	\$ 2,773	\$13,173
E. Services	\$ 416	\$ 2,784	\$ 3,200	-0-	-0-	\$ 3,200
T O T A L	=====	=====	=====	=====	=====	=====
	\$11,415	\$36,268	\$47,683	\$24,000	\$79,969	\$127,652

These amounts are further broken down in Table 2 by task and agency.



TABLE 2  
UPWP TASK COSTS

	LOCAL DAYS	LOCAL SHARE	PL SHARE	TOTAL LOCAL	UMTA SHARE	CDH DAYS	CDH COSTS	LOCAL & CDH COSTS
8 UPWP	16	312	2,088	2,400	-0-	10	2,711	5,111
T. PART.	6	125	835	960	-0-	-0-	-0-	960
G.ADMIN.	60	1,325	8,875	10,200	-0-	52	14,485	24,685
AGEMENT SUBTOTAL	82	1,762	11,798	13,560	-0-	62	17,183	30,756
FFIC COUNT	35	520	3,480	4,000	-0-	-0-	60,000	64,000*
IDENT	30	457	3,063	3,520	-0-	-0-	-0-	3,520
IO-ECON UPDATE	12	249	1,671	1,920	-0-	-0-	-0-	1,920
ITORING SUBTOTAL	77	1,226	8,214	9,440	-0-	-0-	60,000	69,440
A CIRC. PLAN	30	271	1,812	2,083	-0-	-0-	-0-	2,083
ERSIDE TRANS. PLAN	45	390	2,610	3,000	-0-	-0-	-0-	3,000
	40	6,000	-0-	6,000	24,000	-0-	-0-	6,000**
ANNING SUBTOTAL	115	6,661	4,422	11,083	24,000	-0-	-0-	11,083
6 TIP	12	249	1,671	1,920	-0-	8	2,219	4,139
AMENDMENT	3	62	418	480	-0-	2	554	1,034
NG RANGE PLAN	50	1,039	6,961	8,000	-0-	-0-	-0-	8,000
PLEMENT SUBTOTAL	65	1,350	9,050	10,400	-0-	10	2,773	13,173
LE VI	2	42	278	320	-0-	-0-	-0-	320
VICES	18	374	2,506	2,880	-0-	-0-	-0-	2,880
VICES SUBTOTAL	20	416	2,784	3,200	-0-	-0-	-0-	3,200
GRAM TOTAL	359	11,415	36,268	47,638	24,000	72	79,969	127,652

des HRD funds for CDH support branch (entire district - includes Grand Junction Urbanized

Section 8 Grant (\$6,000 local match, \$24,000 federal share)

### Work Tasks

The major portion of this document consists of work tasks to be completed during Fiscal Year 1987 (October 1, 1986 to September 30, 1987). These work tasks are intended to monitor and implement the continuing, cooperative and comprehensive urban transportation planning process carried out by the MPO and CDOH in the Grand Junction urbanized area. The agencies with primary responsibility for completion of each task are listed in the UPWP. The UPWP is intentionally presented as an outline of primary funding sources and planning schedules. An overview of the entire planning process is contained in the Memorandum of Agreement establishing the MPO. (See Figure 3 for the MPO structure.)

Figure 4 provides a summary of scheduling for all UPWP tasks. Work tasks of a continuing nature are differentiated from those with definable time frames. Modifications in task schedules will be reflected in quarterly PL monitoring reports. Significant changes in schedules will be agreed to by CDOH and the MPO.

An accomplishment report will be completed in October 1986 and made an attachment to the FY87 UPWP.

A. MANAGEMENT ACTIVITIES

The primary objective of the UPWP management activities is to provide for the on-going management of the urban transportation planning program in the Grand Junction urbanized area. Secondary objectives include the coordination of planning efforts between local, regional and state agencies, and the documentation of transportation planning efforts and technical studies through locally adopted planning documents. Since the MPO and CDOH share responsibility for compliance with Federal planning guidelines, both agencies are involved in program management activities.

A.1. Task Name: Fiscal Year 1988 (October 1, 1987 through September 30, 1988) Unified Planning Work Program (UPWP)

Objective: To produce an FY87 UPWP which will include all transportation planning activities regardless of Federal funding sources which significantly impact the Study Area of the Metropolitan Planning Organization, whether performed on a federal, state, or local level.

Methodology: The MPO staff, with the support of local government technical staff, and the Colorado Department of Highways, will be responsible for preparing the FY87 UPWP. The UPWP will be prepared in accordance with all applicable federal and state requirements. Each task in the UPWP will be described in terms of status, agency responsibility, revenues, funding sources, schedule objective, methodology, and expected products.

Product: A Unified Planning Work Program for 1988.

Schedule: A meeting to discuss planning work needs will be held in March. UPWP first draft by April with local adoption in June. Contract will be signed by City Council and County Commissioners by September 1.

Agency: Mesa County Human Resource Department

Personnel: Local 16 days CDOH 10 days

Costs: Local \$2,400 CDOH \$2,771

A.2. Task Name: Citizen Participation

Objective: To encourage public involvement in transportation planning and increase awareness of the Metropolitan Planning Organization Process.

Methodology: Citizens will actively participate in the development of policy for the MPO through the City and County Planning Commissions. Local staff will prepare information for the media and the public.

Products: Press releases concerning transportation issues and an annual report. The annual report will be a brief overview of work performed by the MPO during the fiscal year. The report will be in simple language understandable by the general public.

Schedule: Continuous throughout the year. Annual report in September 1987.

Agency: Mesa County Human Resource Department

Personnel: Local 6 days

Costs: Local \$960

A.3. Task Name: Program Administration

Objective: To effectively administer, support, and coordinate the continuing federally assisted transportation planning process for the Grand Junction urbanized area.

Methodology: The local staff will be responsible for carrying out the following activities:

- (1) Maintain the commitments included in the Memorandum of Agreement and the contracts for planning funds (P.L. funds and Section 8 & 9 funds);
- (2) Submit periodic monitoring reports on the FY87 UPWP tasks;
- (3) Maintain and document expenditures and submit periodic financial reports;
- (4) Support members of the decision making bodies, Transportation Policy Advisory Committee, Transportation Technical Advisory Committee and the City and County Planning Commissions in their decision making on MPO related activities;
- (5) Monitor significant transportation planning policy level activities on the federal, state and local levels that have the potential of impacting MPO activities. At the direction of the MPO, represent the MPO members in those federal, state, and local decision making processes.

The Colorado Department of Highways staff will participate in the above listed activities and, in addition, perform the administrative activities necessary to assure the effective coordination and participation of other branches of State government and appropriate federal agencies in the MPO Transportation Planning Process.

Schedule: Continuous through the year with quarterly monitoring reports (October, January, April, and July) and monthly T.T.A.C. meetings.

Agency: Mesa County Human Resource Department.

Personnel: Local 60 days CDOH 52 days

Costs: Local \$10,200 \* CDOH \$14,485

\*Includes \$600 for computer hardware related to transportation.

The primary objective of monitoring is to provide support to transportation planning, implementation, and service activities through the collection, maintenance and analysis of certain factors indicating the condition of land use development and the existing transportation system. Data normally maintained by participating agencies will be utilized to meet reporting requirements as much as possible. A compatible data base will be utilized to the maximum extent feasible.

B.1. Task Name: Traffic Counting.

Objective: To monitor traffic conditions at a variety of intersections and other critical locations.

Methodology: Engineering staff will conduct traffic counts with no less than 1-hour intervals. At selected intersections, turning movements, queuing and other conditions will be monitored.

Product: An on-going traffic monitoring program with the ability to produce information on peak hour and directional flows.

Schedule: On-going effort with reports submitted quarterly.

Agency: Mesa County Engineering          Grand Junction  
Public Works

Personnel: Local 10 days                  Local 25 days

Costs:                  Local \$1,600 \*                  Local \$2,400 \*  
CDA \$60,000 \*\* (Funds for entire district - including  
Grand Junction Urbanized Area)

\* Includes purchase of four (4) traffic counters for use by local agencies.

\*\*This funding is for the entire CDH Engineering District, including the Grand Junction Urbanized Area. Projects include; compilation of ground counts, collection of 55 M.P.H. compliance, collection of railroad crossing data, collection of roadway verification data, collection of truck weight and size data, and verification of 105 CORIS data on state highways.

B.2. Task Name: Accident Monitoring.

Objective: To continue the tracking of accidents on County roads and use such information in the evaluation of projects.

Methodology: Using accidents reported to the State Bureau of Revenue and sent to the County by CDOH, the existing accident file will be updated to incorporate 1986 accidents.

Product: An updated accident file.

Schedule: Reports received from CDOH in May/June. Entry of data during June/July. Report generated by September.

Agency:	Mesa County Engineering	Grand Junction Public Works
Personnel:	Local 10 days	Local 20 days
Costs:	Local \$1,600	Local \$1,920

B.3 Task Name: Socio-Economic data updates for 1987.

Objective: To update estimates of employment, housing, and population in the Study Area by traffic zones.

Methodology: Local staff, with review by CDH staff, will revise above data through updates of building permits, review of tax assessor and planning data bases and state and local employment and economic data sources. Housing vacancy rates will be estimated through sampling of residential parcels within Study Area.

Product: Reports on dwelling units, population and economic activity by traffic zone.

Schedule: Draft report by February, with final report in March.

Personnel: Local 12 days

Costs: Local \$1,920

C. PLANNING ACTIVITIES.

The primary objective of planning activities is to support the decision making process of the MPO through the development of studies and analyses concerning short and long-term transportation needs.

- C.1. Task Name: Area Circulation Plans.
- Objective: To develop plans at the neighborhood level, usually on a section (one square mile) basis, concerning the need for connector streets necessary for emergency access and which would decrease traffic loading on collector and arterial streets.
- Methodology: Using tax assessor maps, subdivision maps and existing street maps staff will assess the need for such connector streets in unincorporated Mesa County. Emergency service agencies (fire, ambulance, etc.) will be contacted to determine their concerns.
- Product: A series of small area maps will be drawn up with an assessment of right-of-way needs and improvement costs for each area. Such maps will be useful in development analysis, and may become part of the official County Road classification map.
- Schedule: May, 1987 - August, 1987
- Agency: Mesa County Planning.
- Personnel: Local 30 days
- Costs: Local \$2,083
- C.2. Task Name: Riverside Drive Area Transportation Study.  
(Carryover from 1986 UPWP)
- Objective: To promote safe, efficient access for the study area should redevelopment strategies now under consideration by the City of Grand Junction be successful.
- Methodology: In concert with City Public works, City Planning and the Highway Department, staff or contractor will assess the possible traffic impacts of proposed redevelopment and generate transportation alternatives.
- Product: An area transportation plan for the Riverside area which could include reconstruction of existing streets, new street alignments, and alternative modes such as pedestrian and bicycle systems.



Schedule: May, 1987 - August, 1987  
(Continued from 1986 UPWP)

Agency: Grand Junction City Planning

Personnel: Local 60 days

Costs: Local \$3,000

C.3. Task Name: Transit Development Program 1987 - 1992

Objective: To update the existing TDP by assising transit needs in Grand Junction and Mesa County and developing a five year program to address these needs for the elderly, low-income, handicapped and general population.

Methodology: Contractor will develop data concerning transit needs and services, including population and demand projections, capacity of existing services (both public and private), and projected capital expansion needed to maintain the service level desired by local elected officials.

Product: Transit Development Program 1987 -1992 Report.

Schedule: October 1986 - March 1987

Agency: Mesa County Human Resource Department.  
Contractor to be selected.

Personnel: Local 60 days

Costs: Local \$30,000\*

\* Contractor services. \$24,000  
Local personnel \$ 6,000

D. IMPLEMENTATION TASKS.

Implementation activities refer to lists of capital projects adopted by the MPO which establish policy guidance on the use of transportation funds in the urbanized area of Grand Junction.

D.1. Task Name: Fiscal Year 1988-1992 Transportation Improvement Program (TIP).

Objective: The Fiscal Year 1988-1992 TIP will establish the capital projects in the urbanized area for which federal assistance is expected during the period. It will contain an annual element showing specific projects to which funds have been committed.

Methodology: MPO, City Engineering, County Engineering and CDOH District 3 staff will develop a TIP using information from existing capital improvement programs, monitoring data concerning traffic volumes and accidents, and revenue projections.

Products: The FY 1988-1992 Transportation Improvement Program.

Schedule: First draft by April with local adoption by June.

Agency: Mesa County Human Resource Department

Personnel: Local 12 days                      CDOH 8 days

Costs: Local \$1,920                      CDOH \$2,219

D.2. Task Name: Fiscal Year 1987 Transportation Improvement Program Amendments.

Objective: To amend the FY 1987 TIP as needed.

Methodology: As advised by City Engineering, County Engineering and CDOH District 3 staff, MPO staff will process the necessary amendments. Will use the 2010 Transportation Plan.

Products: An amended TIP.

Schedule: As necessary.

Agency: Mesa County Human Resource Department

Personnel: Local 3 days                      CDOH 2 days

Costs: Local \$480                      CDOH \$554

D.3. Task Name: Long Range Thoroughfare Plan and  
Financing Strategies for Grand Junction.

Objective: To develop possible funding for City transportation  
projects.

Methodology: Funding sources, including districts, fuel and  
vehicle taxes, utility fees, general taxes,  
property taxes, will be assessed relative the  
five year program of transportation needs.

Products: A report on the above funding strategies.

Schedule: October, 1986 - April, 1987.

Agency: Grand Junction Public Works.

Personnel: Local 50 days

Costs: Local \$8,000

E. SERVICE TASKS.

Service activities refer to assistance to local and other governmental agencies concerning transportation issues.

- E.1. Task Name: Title VI.
- Objective: To assure that the activities of the MPO are in accordance with Title VI of the Civil Rights Act of 1964 as amended.
- Methodology: Local and CDOH staff will prepare data on minority concentrations in the MPO Study Area and assure that minorities are afforded access to the policy development process of the MPO.
- Products: Quarterly reports.
- Schedule: Reports in January, April, July and September.
- Agency: Mesa County Human Resource Department
- Personnel: Local 2 days
- Costs: Local \$320
- E.2. Task Name: Services.
- Objective: To provide technical data and general assistance to requesting agencies.
- Methodology: Published reports or data will be supplied when available. Local staff will also provide planning assistance to local or state agencies.
- Products: Inquiries answered.
- Schedule: Continuous.
- Agency: Mesa County Human Resource Department
- Personnel: Local 18 days
- Costs: Local \$2,880

FIGURE 4

TASK SCHEDULE

TASKS	1986			1987			1987						
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	
A.1. FY87 UPWP							D-----	A-----	-----	-----	-----	C	
A.2. CIT. PART.	*****										D----	R	
A.3. PROG. ADMIN.	R*****R*****R*****R*****												
B.1. TRAFFIC COUNT	-----			R	-----			R	-----			R	-----
B.2. ACCIDENT							-----	R	-----			R	
C.1. AREA CIRC. PLAN									-----	D----	R		
C.2. RIVERSIDE TRANS. PLAN								-----	-----	-----	R		
C.3. TDP	C-----					R							
D.1. FY88 TIP				-----			D	-----		A			
D.2. TIP AMEND.				(AS NEEDED)									
D.3. LONG RANGE PLAN	-----				D-----	-----	R						
E.1. TITLE VI				R			R			R		R	
E.2. SERVICES	*****												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	

- D = FIRST DRAFT
- A = LOCAL ADOPTION
- R = REPORT DUE
- \*\* = ON-GOING TASK
- O = OUTLINE OF REPORT
- C = CONTRACT SIGNED



Grand Junction Planning Department  
559 White Avenue, Room 60  
Grand Junction, Colorado 81501-2643  
(303) 244-1648

MEMORANDUM

TO: Grand Junction City Council  
Grand Junction City Planning Commission

FROM: Karl Metzner *KM*

DATE: July 14, 1986

RE: Metropolitan Planning Organization (MPO) FY 1987 Work Program

The attached is the proposed MPO work program for Fiscal Year 1987. This work program contains the standard management activities as well as specific work elements for both City and County jurisdictions.

The specific work elements involving the City are:

- Page 10 - Traffic counting for the ongoing traffic monitoring program.
- Page 11 - Accident monitoring to update existing accident file with 1986 information.
- Page 11 - Socio-economic data updates. This will update estimates of employment, housing and population by traffic zone. Project will be done by college intern paid with MPO funds.
- Page 12 - Riverside Drive Area Transportation Study. This is a continuation of the current transportation element of the 5th Street/Confluence Park project.
- Page 14 - FY 1988-1992 Transportation Improvement Program (TIP) to establish capital projects for which federal assistance is expected.
- Page 15 - Long range thoroughfare plan and financing strategies for Grand Junction. This project will review and develop possible funding sources for City transportation projects.

This work program must be approved by Planning Commission and City Council at a regular public hearing. Staff will be available to discuss these items at the regular preagenda workshops prior to those hearings.

KM/tt

Attachment

# STATE OF COLORADO

## DEPARTMENT OF HIGHWAYS

4201 East Arkansas Ave.  
Denver, Colorado 80222  
(303) 757-9011



November 19, 1986

1551M

Mr. Bob Carmen  
Director County Engineering  
1000 South 9th Street  
Grand Junction, CO 81501

Dear Mr. Carmen:

The Department already notified your agency of the impact to the PL fund program, as a result of the Congress not passing a reauthorization bill. The HPR program is also impacted to the same degree. This impact has caused the Division of Transportation Planning to reevaluate its work program to determine what activities could be deferred or reduced.

As a result of this review, it has been determined that the Division will have to reduce its effort in the urban transportation planning process in your area. The impact of this reduced effort will be as follows:

- eliminating all technical assistance relative to preparation of the year 2010 transportation plan;
- reduced level of participation in the on-going planning process; and,
- elimination of all planning tasks that do not directly affect the certification of the planning process


The activities that the Division will support during this period of reduced staff will be:

- handling of the routine administrative activities, such as processing PL fund billings;
- participation in the preparation of the work program and transportation improvement program, and any amendments to these documents; and,
- oversight involvement in the development of the year 2010 transportation plan.

Letter to Mr. Carmen  
November 19, 1986  
Page Two

I am sure you understand the need for this action and will assist my staff as they try to respond to your requests. If you have any questions regarding this action, please feel free to contact me.

Very truly yours,

  
Harvey R. Atchison, Director  
Division of Transportation Planning

cc: R. P. Moston - District Engr.  
James Golden - Highway Commissioner