

# **Travel Demand Model Update**

**El Dorado County  
Board of Supervisors  
September 25, 2012**



# *On August 28, 2012, the Board:*

- **Stated a dose of reality was needed:**

The Board wants to provide input on the roadway network based on existing conditions rather than relying solely on the Travel Demand Model (TDM)

- **Directed staff to provide:**

- a list of Traffic Impact Mitigation (TIM) Fee projects
- a map that correlates to these projects



# *Agenda*



	Background	
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	Roadway parameters for Travel Demand Model	
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	Next Steps	
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# *Roadway Network*

The Roadway Network includes major County roadways and is an essential part of the TDM. These uses include serving as the:

- Basis for estimating travel time between Traffic Analysis Zones
- Basis for traffic assignments
- Tool to facilitate an understanding of how trips are distributed, and
- Tool for displaying the level of traffic congestion associated with different land use scenarios



# *TDM feeds Capital Improvement Program (CIP) and TIM:*

## **Travel Demand Model Forecast**

- *Improvements will be needed based on growth*

## **TIM Fee Program (Funding Mechanism)**

- *Measure Y*
- *State Laws*
- *Impacts Development*
- *Consistent with General Plan*

## **CIP**

### **(Construction Mechanism)**

- *Updated yearly*
- *5 Year Program*
- *10 and 20 year future programs*

# *Agenda*

	Background	
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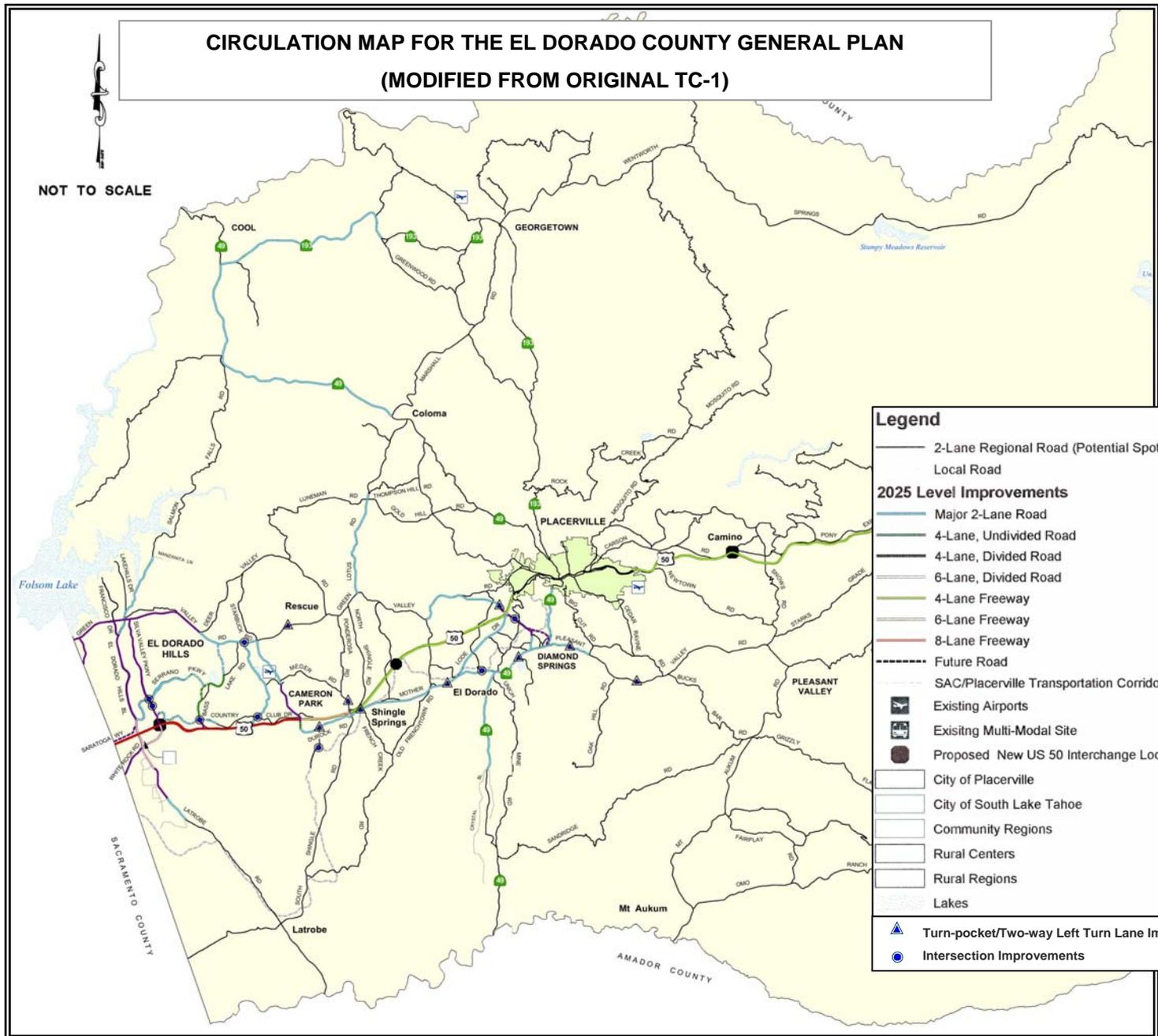


	Roadway parameters for Travel Demand Model	
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	Next Steps	
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**CIRCULATION MAP FOR THE EL DORADO COUNTY GENERAL PLAN  
(MODIFIED FROM ORIGINAL TC-1)**

NOT TO SCALE

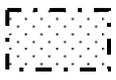


**Legend**

- 2-Lane Regional Road (Potential Spot Improvements)
- Local Road
- 2025 Level Improvements**
- Major 2-Lane Road
- 4-Lane, Undivided Road
- 4-Lane, Divided Road
- 6-Lane, Divided Road
- 4-Lane Freeway
- 6-Lane Freeway
- 8-Lane Freeway
- - - Future Road
- - - SAC/Placerville Transportation Corridor
- ✈ Existing Airports
- 🚊 Existing Multi-Modal Site
- Proposed New US 50 Interchange Location
- City of Placerville
- City of South Lake Tahoe
- Community Regions
- Rural Centers
- Rural Regions
- 🌊 Lakes
- ▲ Turn-pocket/Two-way Left Turn Lane Improvements
- Intersection Improvements

# 2012 TIM FEE FUNDED CIP PROJECT MAP - OVERALL

## LEGEND

 ECONOMIC DEVELOPMENT AREAS  
(IDENTIFIED BY ECONOMIC DEVELOPMENT COORDINATOR)

### ADDITIONALLY:

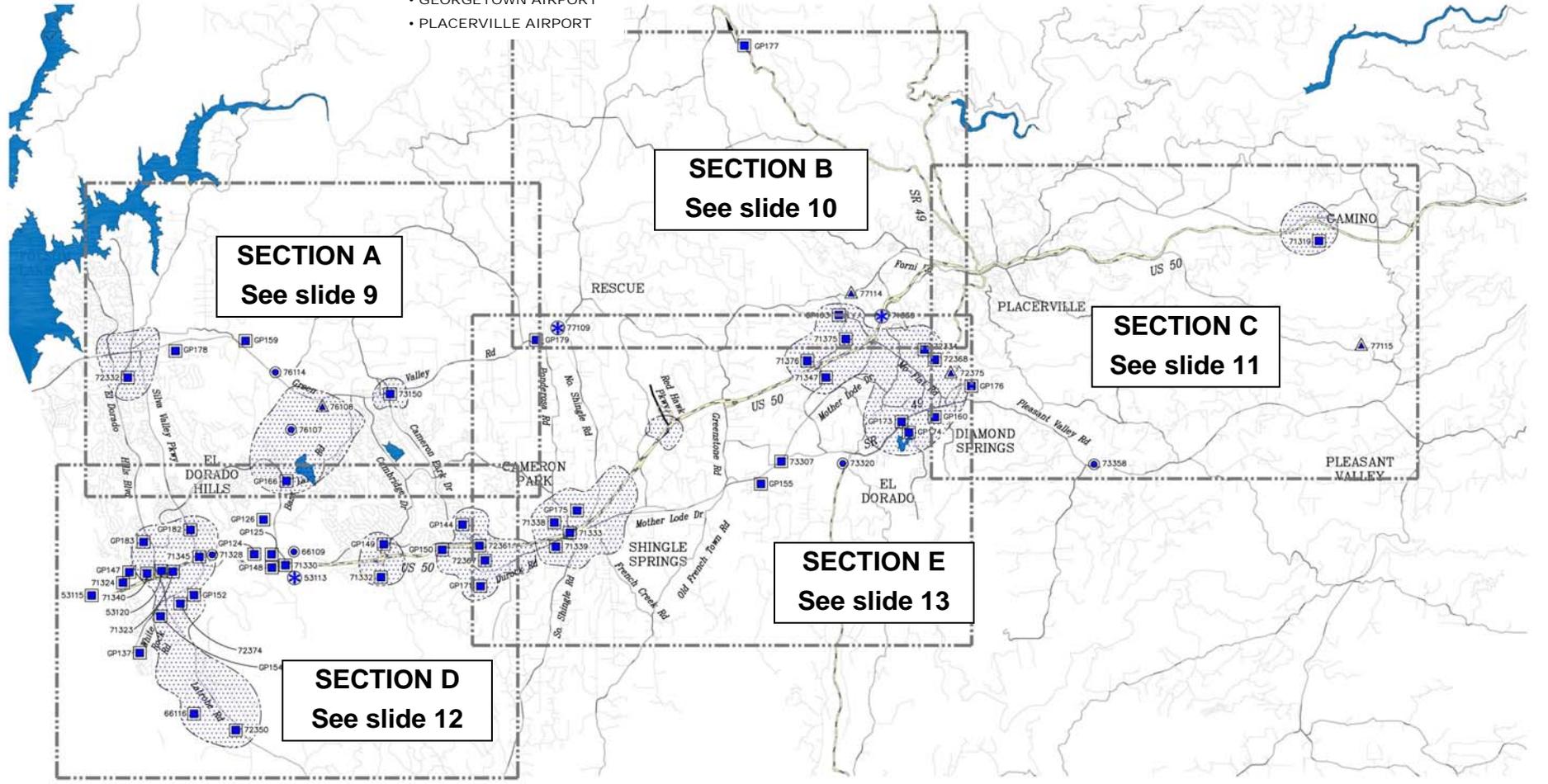
- SOMERSET/MT AUKUM
- LOTUS/COLOMA
- COOL/GEORGETOWN
- MEYERS
- GEORGETOWN AIRPORT
- PLACERVILLE AIRPORT

 CIP PROJECTS IN CURRENTLY IN CONSTRUCTION

 CIP PROJECTS SCHEDULED FOR COMPLETION WITHIN THE NEXT 5 YEARS

 CIP PROJECTS SCHEDULED FOR COMPLETION WITHIN THE NEXT 6 TO 10 YEARS

 CIP PROJECTS SCHEDULED FOR COMPLETION WITHIN THE NEXT 11 TO 20 YEARS



**SECTION A**  
See slide 9

**SECTION B**  
See slide 10

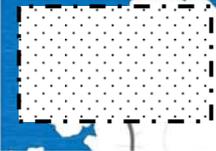
**SECTION C**  
See slide 11

**SECTION E**  
See slide 13

**SECTION D**  
See slide 12

# 2012 TIM FEE FUNDED CIP PROJECT MAP

## LEGEND



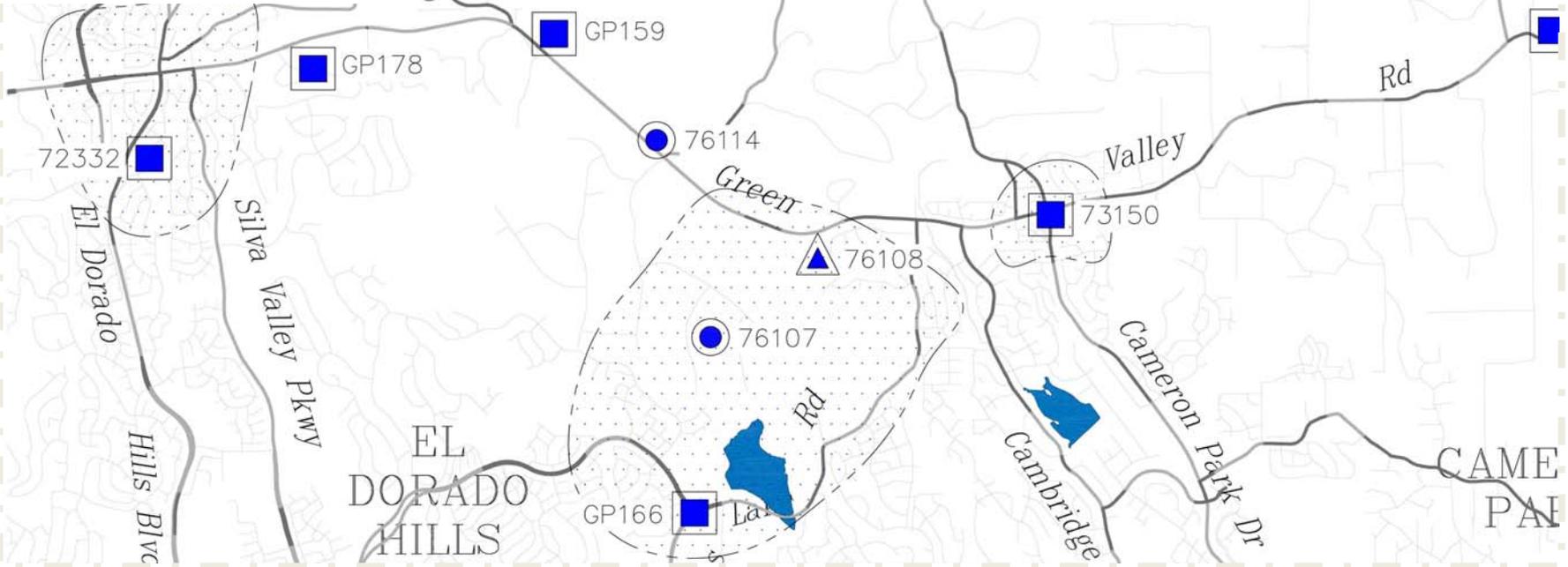
ECONOMIC DEVELOPMENT AREAS  
(IDENTIFIED BY ECONOMIC  
DEVELOPMENT COORDINATOR)

- ✳ CIP PROJECTS IN CURRENTLY IN CONSTRUCTION
- CIP PROJECTS SCHEDULED FOR COMPLETION WITHIN THE NEXT 5 YEARS
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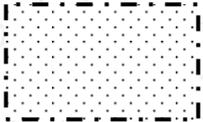
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- LOTUS/COLOMA
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- MEYERS
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## SECTION A



# 2012 TIM FEE FUNDED CIP PROJECT MAP

## LEGEND



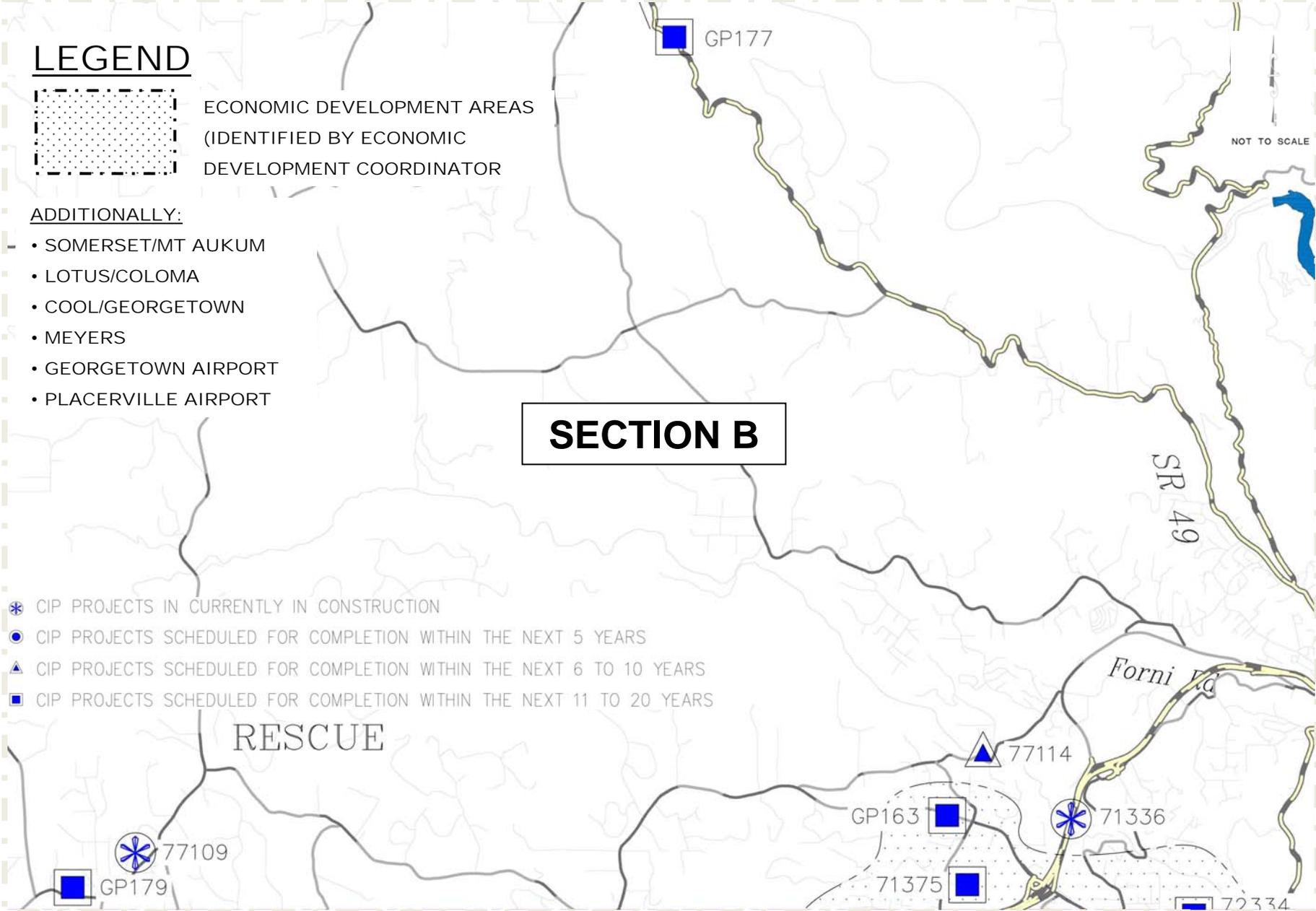
ECONOMIC DEVELOPMENT AREAS  
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### ADDITIONALLY:

- SOMERSET/MT AUKUM
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## SECTION B

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NOT TO SCALE

RESCUE

SR 49

Forni Rd

GP177

77114

71336

77109

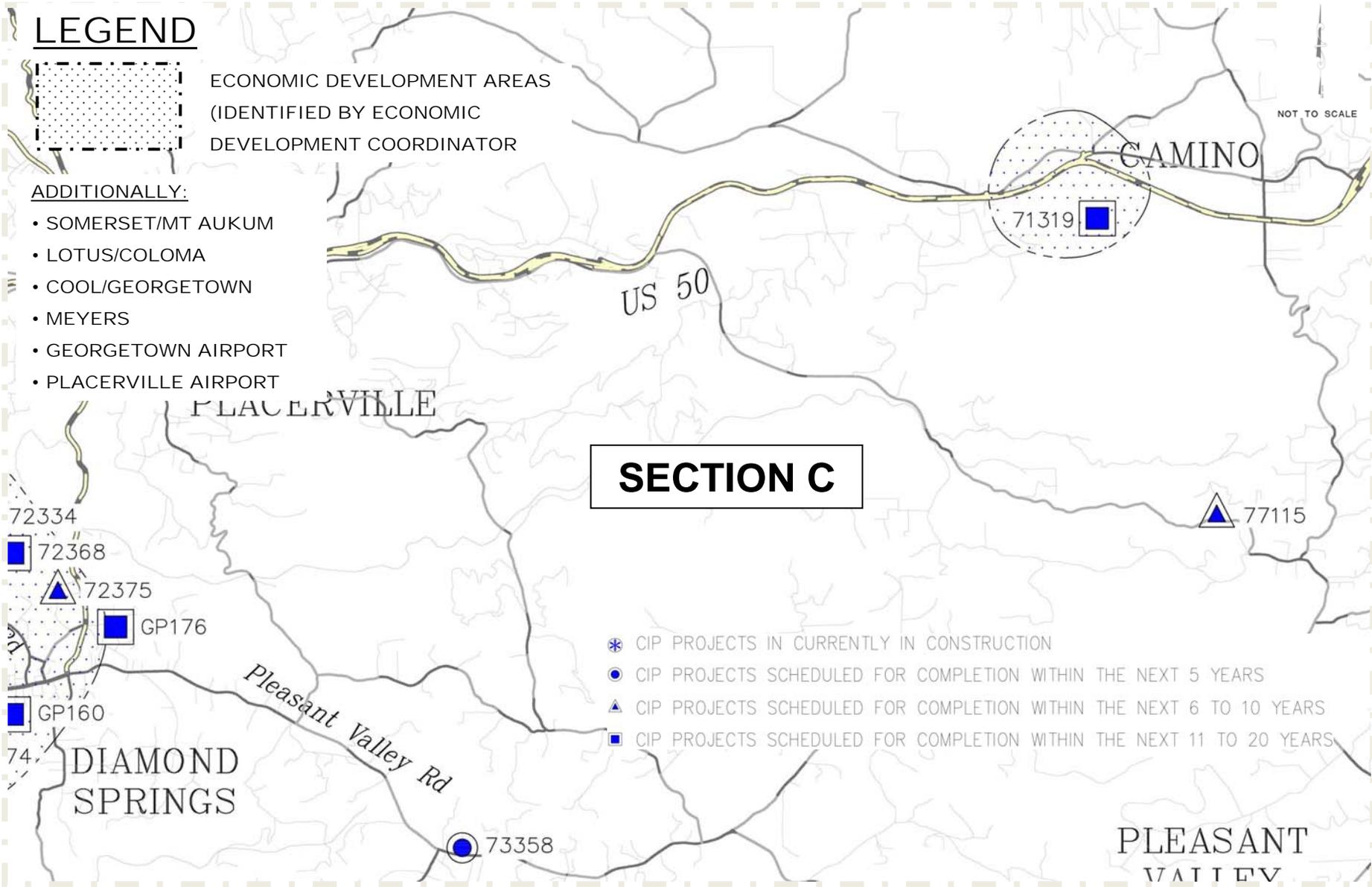
GP163

71375

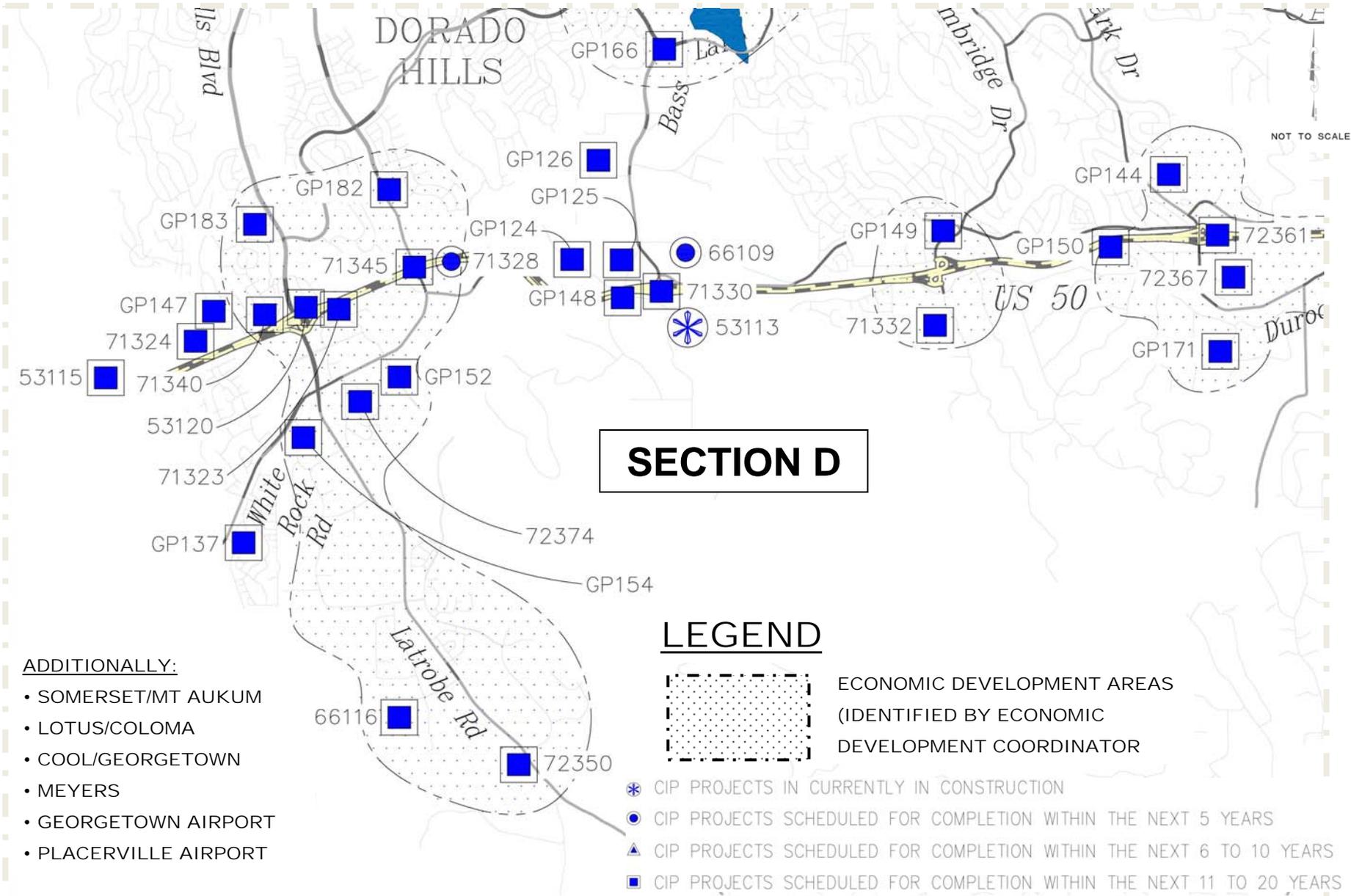
GP179

72334

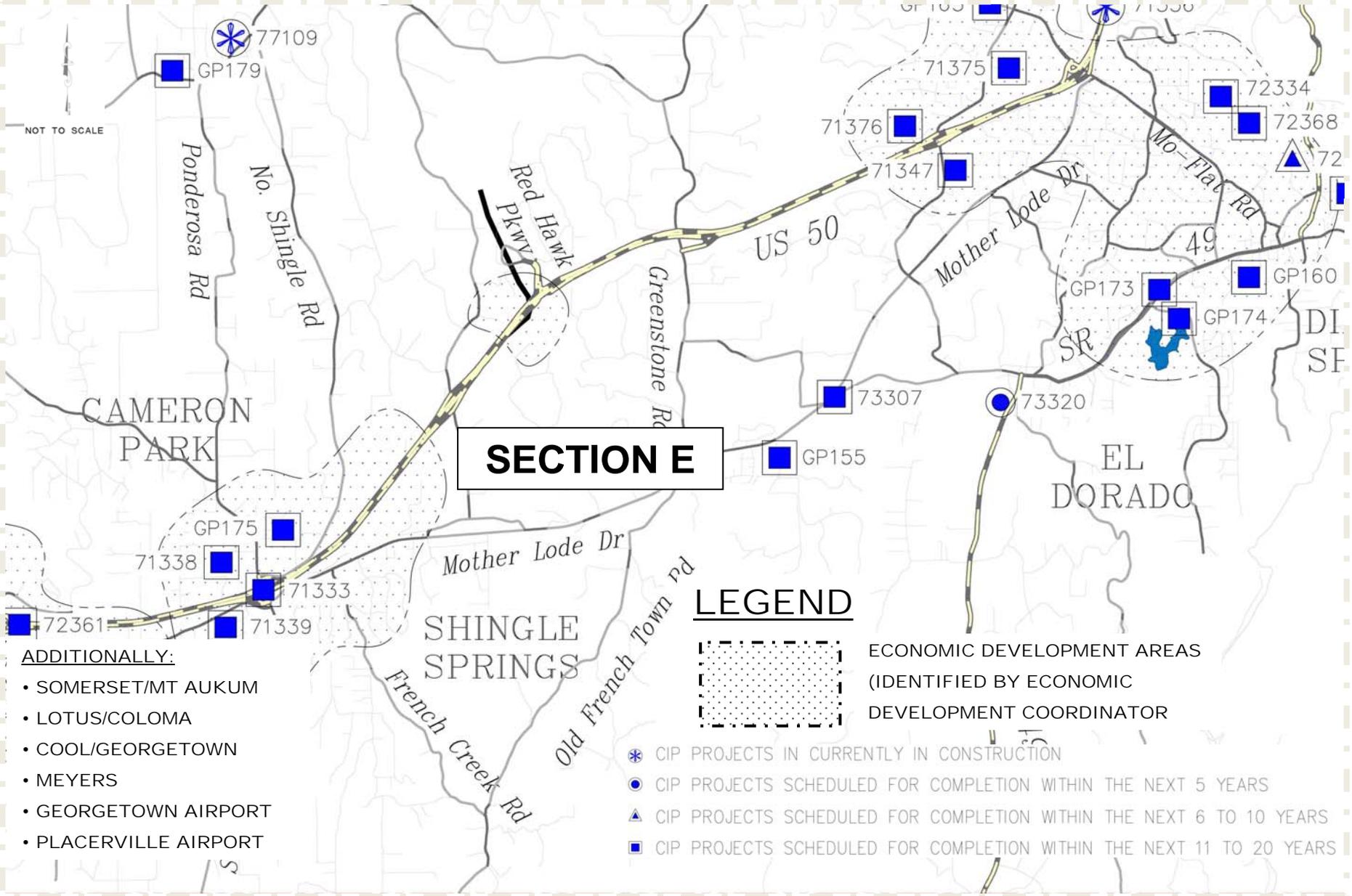
# 2012 TIM FEE FUNDED CIP PROJECT MAP



# 2012 TIM FEE FUNDED CIP PROJECT MAP

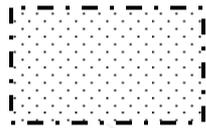


# 2012 TIM FEE FUNDED CIP PROJECT MAP



**SECTION E**

## LEGEND



ECONOMIC DEVELOPMENT AREAS  
(IDENTIFIED BY ECONOMIC  
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- ADDITIONALLY:
- SOMERSET/MT AUKUM
  - LOTUS/COLOMA
  - COOL/GEORGETOWN
  - MEYERS
  - GEORGETOWN AIRPORT
  - PLACERVILLE AIRPORT

# 2012 TIM Fee Funded CIP Projects, Page 1

Project Name	Project #	Type	Existing Lane Configuration	2025 Lane Configuration	Road Segment Limits	Cost in Millions	Area
Bass Lake Road Full Improvements - Phase 1A	66109	Widening	2	2	US 50 to Hollow Oak Rd	\$ 7.4	EDH
Bass Lake Road Widening - U.S. 50 to Silver Springs Parkway, Phase 1B	GP166	Widening	2	4	US 50 to Silver Springs Phase 1B	\$ 15.4	EDH
Cameron Park Drive Widening - Palmer Drive to Meder Road	GP144	Widening	2	4	Palmer Drive to Meder Road	\$ 12.5	CMPK
Cameron Park Drive/Green Valley Road Intersection Improvements	73150	Intersection Improvement				\$ 7.0	CMPK
Cameron Park Widening - Durock Road to Coach Lane	72367	Widening	3	5	Robin Lane to Coach Lane	\$ 7.3	CMPK
Country Club Drive Ext. - West Bass Lake Hills SP Boundary to Silver Dove Rd	GP125	New Road	0	2	West Bass Lake Hills SP Boundary to Silver Dove Road	\$ 5.7	CMPK
Country Club Drive Extension - Silver Dove Road to Bass Lake Road	GP124	New Road	0	2	Silver Dove to Bass Lake Rd.	\$ 1.2	CMPK
Country Club Drive Realignment - Bass Lake Road to east Bass Lake Hills Specific Plan Boundary	GP126	New Road	0	2	Bass Lake Road to E. Bass Lake Hills Specific Plan Boundary	\$ 5.4	CMPK
Diamond Springs Parkway - Phase 1A - SR-49 Realignment	72375	Realignment			Pleasant Valley Road to Lime Kiln	\$ 5.9	D SPGS
Diamond Springs Parkway - Phase 1B	72334	New Road	0	2	Missouri Flat Road @ railroad corridor to SR 49	\$ 24.1	D SPGS
Diamond Springs Parkway - Phase 2	72368	New Road	0	4	Missouri Flat Road @ railroad corridor to SR 49/Pleasant Valley Road	\$ 1.4	D SPGS
Durock Road Widening - Robin Lane to South Shingle Road	GP171	Turn Lane	2	3 (2 way left turn lane)	Robin Lane to South Shingle Road	\$ 7.2	S SPGS
El Dorado Hills Boulevard Widening - Lassen Lane to Park Drive	GP183	Widening	5	6	Lassen Lane to Park Drive	\$ 1.1	EDH
El Dorado Hills Boulevard/Francisco Drive Intersection Alignment	72332	Intersection Improvement				\$ 9.5	EDH
Green Valley Road at Tennessee Creek - Bridge Replacement	77109	Bridge Replacement				\$ 6.4	RESCUE
Green Valley Road at Weber Creek - Bridge Replacement	77114	Bridge Replacement				\$ 10.6	PVILLE

# 2012 TIM Fee Funded CIP Projects, Page 2

Project Name	Project #	Type	Existing Lane Configuration	2025 Lane Configuration	Road Segment Limits	Cost in Millions	Area
Green Valley Road Widening - Deer Valley Road East to Lotus Road	GP179	Widening	2	2	Deer Valley Road to Lotus Road	\$ 4.8	RESCUE
Green Valley Road Widening - Francisco to Salmon Falls Road	GP178	Widening	2	4	Francisco to Salmon Falls Road	\$ 1.9	EDH
Green Valley Road Widening from Salmon Falls Road to Deer Valley Road	GP159	Widening	2	4	Salmon Falls Road to Deer Valley Rd.	\$ 12.6	EDH
Green Valley Road/Deer Valley Road West Intersection Improvements	76114	Intersection Improvement				\$ 1.3	RESCUE
Headington Road Extension - Missouri Flat Road to El Dorado Road	71375	New Road	0	2	Missouri Flat Road to El Dorado Road	\$ 10.3	PVILLE
Latrobe Road Widening (2 to 4 lanes) - Golden Foothill Parkway (south) to Investment Boulevard	72350	Widening	2	4	Golden Foothill Parkway (South) to Investment Boulevard	\$ 3.5	EDH
Latrobe Road Widening (4 to 6 lanes) - White Rock Road to Carson Creek (Suncastr Lane)	GP154	Widening	4	6	White Rock Road to Carson Creek	\$ 9.0	EDH
Latrobe Road/White Rock Road Connector (New Road)	66116	New Road	0	4	EDH Business Park to West	\$ 19.4	EDH
Missouri Flat Road Two-Way Left Turn Lane - El Dorado Road to Headington Road	GP163	Turn Lane	2	3 (2 way left turn lane)	Missouri Flat Road from El Dorado Road to Headington Road	\$ 1.2	PVILLE
Mother Lode Drive - Greenstone Road to Pleasant Valley Road	GP155	Turn Lane	2	3 (2 way left turn lane)	Greenstone to Pleasant Valley	\$ 3.9	PVILLE
Mother Lode Drive/Pleasant Valley Road Intersection Improvements	73307	Intersection Improvement				\$ 7.8	PVILLE
Pleasant Valley Road (SR 49)/Patterson Drive Intersection Signalization	73320	Intersection Improvement				\$ 4.1	D SPGS
Pleasant Valley Road at Oak Hill Road Intersection Improvements	73358	Intersection Improvement				\$ 1.1	D SPGS
Pleasant Valley Road Widening - Pearl Place to Big Cut Road in Diamond Springs	GP173	Turn Lane	2	3 (2 way left turn lane)	Pearl Place to Big Cut Road	\$ 2.7	D SPGS
Pleasant Valley Road Widening from Big Cut Road to Cedar Ravine Road	GP174	Turn Pockets	2	7 left turn pockets	Big Cut to Cedar Ravine	\$ 2.3	D SPGS
Pleasant Valley Road Widening from El Dorado Road to State Route 49	GP160	Turn Lane	2	3 (2 way left turn lane)	El Dorado Road to SR 49	\$ 1.1	D SPGS
Ponderosa Road Widening from North Shingle Road to Meder Road	GP175	Turn Pockets	2	4 left turn pockets	North Shingle Road to Meder Road	\$ 2.8	S SPGS

# 2012 TIM Fee Funded CIP Projects, Page 3

Project Name	Project #	Type	Existing Lane Configuration	2025 Lane Configuration	Road Segment Limits	Cost in Millions	Area
Saratoga Way Extension - Phase 1	71324	Roadway Improvement	0	2	County Line to existing Saratoga Way	\$ 11.5	EDH
Saratoga Way Extension - Phase 2	GP147	New Road	0	4	County Line to EDH Blvd	\$ 4.6	EDH
Silva Valley Parkway/Golden Eagle Lane Intersection Signalization	GP182	Intersection Improvement				\$ 0.8	EDH
Silver Springs Pkwy to Bass Lake Rd (south segment)	76108	Realignment			Silver Springs to Bass Lake Road	\$ 7.2	EDH
Silver Springs Pkwy to Green Valley Rd (north segment)/Green Vly Rd Intersection Signalization	76107	Intersection Improvement				\$ 7.7	EDH
Sly Park Road at Clear Creek Crossing - Bridge Replacement	77115	Bridge Replacement				\$ 5.4	P PINES
State Route 49 Passing Lanes from SR193 (in Cool) to the northern County Line	GP177	Passing Lane	2	4 (2 passing lanes)	SR 193 (Cool) to Northern County Line	\$ 3.5	COOL
State Route 49 Widening from Pleasant Valley Road to Missouri Flat Road	GP176	Turn Pocket	2	3 (2 way left turn pocket)	Pleasant Valley Road to Missouri Flat Road	\$ 7.9	D SPGS
U.S. 50 Auxiliary Lane Eastbound - Cambridge to Ponderosa	GP150	Auxilliary Lane			Cambridge Road to Ponderosa	\$ 10.4	CMPK
U.S. 50 Auxiliary Lane Westbound - El Dorado Hills Boulevard to Empire Ranch Road	53115	Auxilliary Lane			El Dorado Hills to Empire Ranch	\$ 2.8	EDH
U.S. 50 HOV Lanes (Phase 2A) - Bass Lake Road to Cameron Park Drive	53113	HOV Lane			Bass Lake Road to Cameron Park Drive	\$ 19.3	CMPK
U.S. 50 Mainline Widening at El Dorado Hills	53120	Auxilliary Lane			Silva Valley Interchange to Empire Ranch	\$ 2.2	EDH
U.S. 50/Bass Lake Road Interchange Improvements - Phase 1	71330	Interchange Improvement				\$ 16.5	EDH
U.S. 50/Bass Lake Road Interchange Improvements - Phase 2	GP148	Interchange Improvement				\$ 19.1	EDH
U.S. 50/Cambridge Road Interchange Improvements - Phase 1	71332	Interchange Improvement				\$ 7.8	CMPK
U.S. 50/Cambridge Road Interchange Improvements - Phase 2	GP149	Interchange Improvement				\$ 11.9	CMPK
U.S. 50/Cameron Park Drive Interchange Improvements	72361	Interchange Improvement				\$ 47.6	CMPK

# 2012 TIM Fee Funded CIP Projects, Page 4

Project Name	Project #	Type	Existing Lane Configuration	2025 Lane Configuration	Road Segment Limits	Cost in Millions	Area
U.S. 50/Camino Area Parallel Capacity/Safety Study	71319	Study				\$ 2.0	CAMINO
U.S. 50/EI Dorado Hills Blvd Interchange - Pedestrian Overcrossing	71340	Interchange/ Pedestrian Overcrossing				\$ 6.8	EDH
U.S. 50/EI Dorado Hills Boulevard Interchange Improvements - Phase 2B	71323	Interchange Improvement				\$ 5.9	EDH
U.S. 50/EI Dorado Road Interchange Improvements - Phase 1	71347	Interchange Improvement				\$ 2.9	PVILLE
U.S. 50/EI Dorado Road Interchange Phase 2	71376	Interchange Improvement				\$ 5.9	PVILLE
U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1B	71336	Interchange Improvement/ Realignment				\$ 42.0	PVILLE
U.S. 50/Ponderosa Rd Interchange - Durock Rd Realignment	71338	Interchange Improvement/ Realignment			Realignment of Durock and South Shingle Road	\$ 7.2	S SPGS
U.S. 50/Ponderosa Rd Interchange - N. Shingle Rd Realignment	71339	Interchange Improvement				\$ 5.0	S SPGS
U.S. 50/Ponderosa Rd/So. Shingle Rd Interchange Improvements	71333	Interchange Improvement				\$ 16.3	S SPGS
U.S. 50/Silva Valley Parkway Interchange - Phase 1	71328	Interchange Improvement				\$ 46.3	EDH
U.S. 50/Silva Valley Parkway Interchange - Phase 2 - On Ramps and Auxiliary Lanes on U.S. 50	71345	Auxilliary Lane			Planning phase	\$ 12.0	EDH
White Rock Road Widening - 4 to 6 Lanes, Latrobe Road to US50/Silva Valley Parkway Interchange	GP152	Widening	4	6	Latrobe Road to US 50/ Silva Valley Parkway Interchange	\$ 6.1	EDH
White Rock Road Widening (2 to 4 lanes) - Manchester Drive to Sacramento County Line	GP137	Widening	2	4	Manchester Drive to Sacramento County	\$ 3.3	EDH
White Rock Road Widening (2 to 4 lanes) - Monte Verde Drive to US 50/Silva Valley Parkway Interchange	72374	Widening	2	4	Monte Verde Drive to US 50 Silva Valley Interchange	\$ 19.1	EDH

# *Agenda*

	Background	
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	Roadway parameters for Travel Demand Model	
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	Next Steps	
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## *Next Steps*

- Based on input provided by the Board, staff will return with TDM scenarios during workshops to be scheduled at a future date.

