Functional Classification



Information

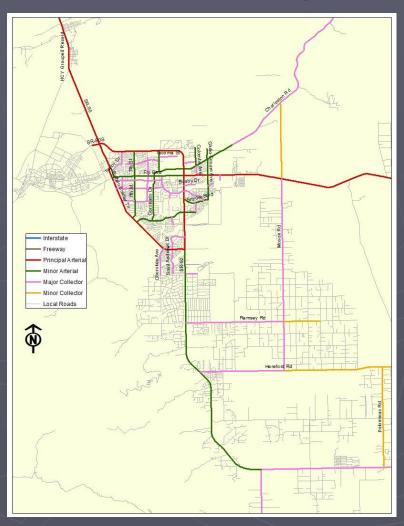
What is Func Class?



- ► The 1991 Intermodal Surface Transportation Act required every state to Functionally classify their roadways.
- The Functional Classification of a road is based primarily on the character of that road.
- ▶ 2010 Classifications include:
 - 1 Interstates
 - 2 Freeways
 - 3 Principal Arterials
 - 4 Minor Arterials
 - 5 Major Collectors
 - 6 Minor Collectors
 - 7 Local Roads

Why is Func Class important?

For planning at all levels of government.
 Provides a picture of what our roadways are like.



Why is Func Class important cont'd



- Funding In general, a road must be classified as a Major Collector or above to receive funding.
- ➤ 15% of STP funds can be used for Minor Collectors

- ► All data collected in HPMS is based on the Functional Classification of a roadway.
 - For example: HPMS requires more data to be collected on roadways that are classified above Minor Collector.

How to Functionally Classify your Roads



- Making changes to the functional classification system is a collaborative effort between local, county, COG/MPO, state, and FHWA officials.
- ► Most of SEAGO's functionally classified roads were reviewed and set in 2004/2005.
- Some minor adjustments may be needed, such as Major Collectors and Minor Arterials where urban sprawl has occurred. We will come back to this later.

How to Functionally Classify your Roads cont'd



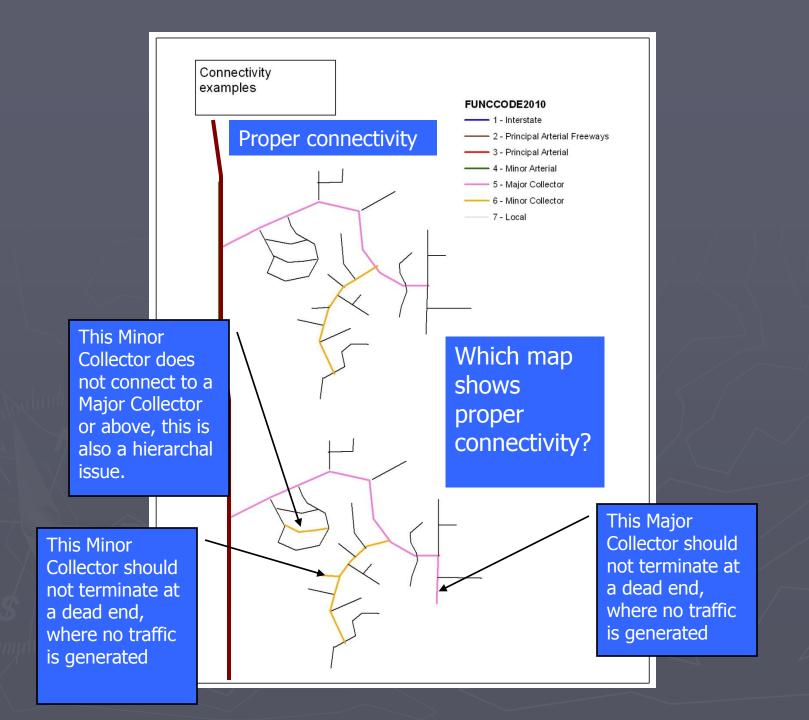
- Traffic counts are a useful tool in determining the functional classification of a roadway. But not always.
- Schools, hospitals, sporting facilities, transprtation depots, etc. can warrant a higher classification.
- The system should maintain connectivity and exist in a hierarchal order.
- Principal Arterials should connect cities with cities. In most cases these are state highways.
- The func class system should make logical sense.

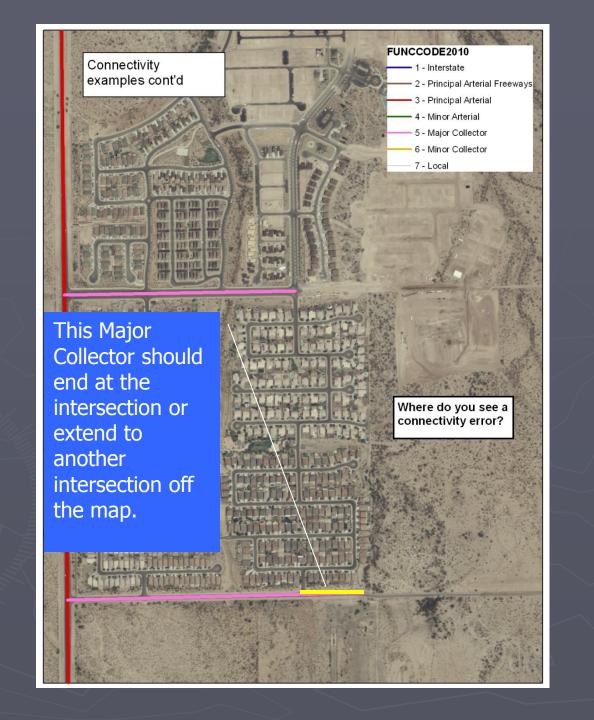
How to Fuctionally Classify your Roads cont'd

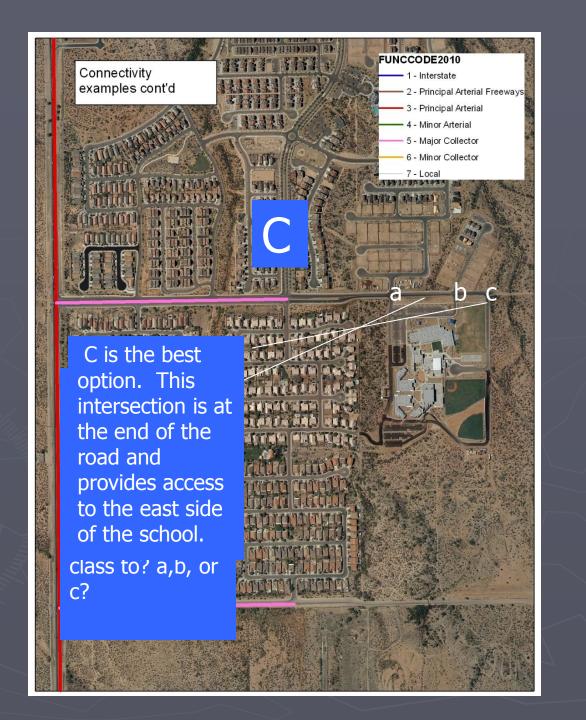
- Urban boundaries are no longer a factor in determining the functional classification of your roadways. Although you can use them as a guide.
- ► FHWA guidelines (2010)

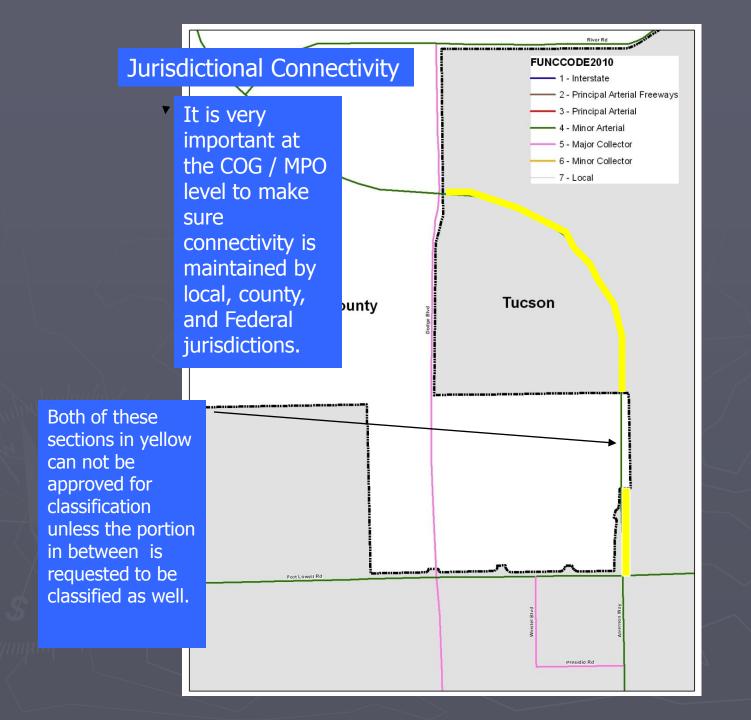
Local roads (Code 7) should account for no less than 65% of all your roadway mileage.

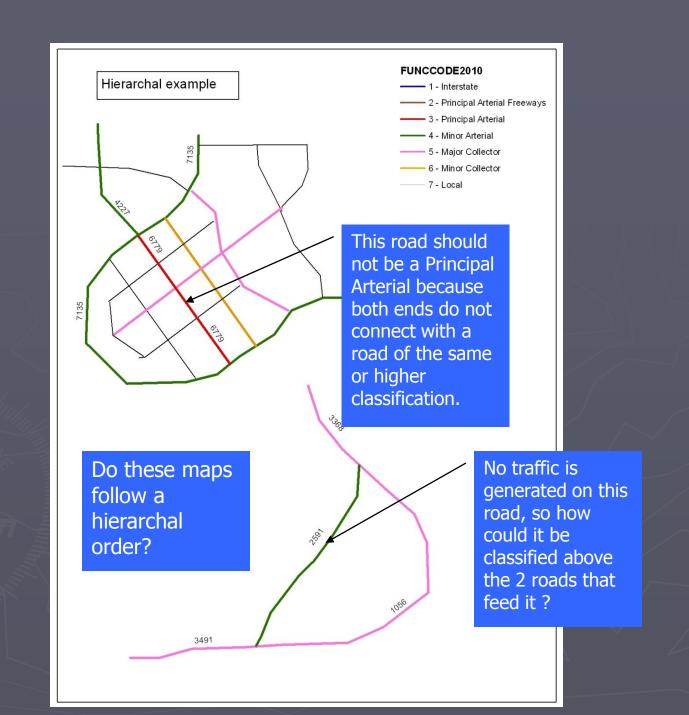
Collectors and Arterials combined (Codes 1,2,3,4,5,6) should account for no more than 35% of all your roadway mileage.











Current SEAGO percentages



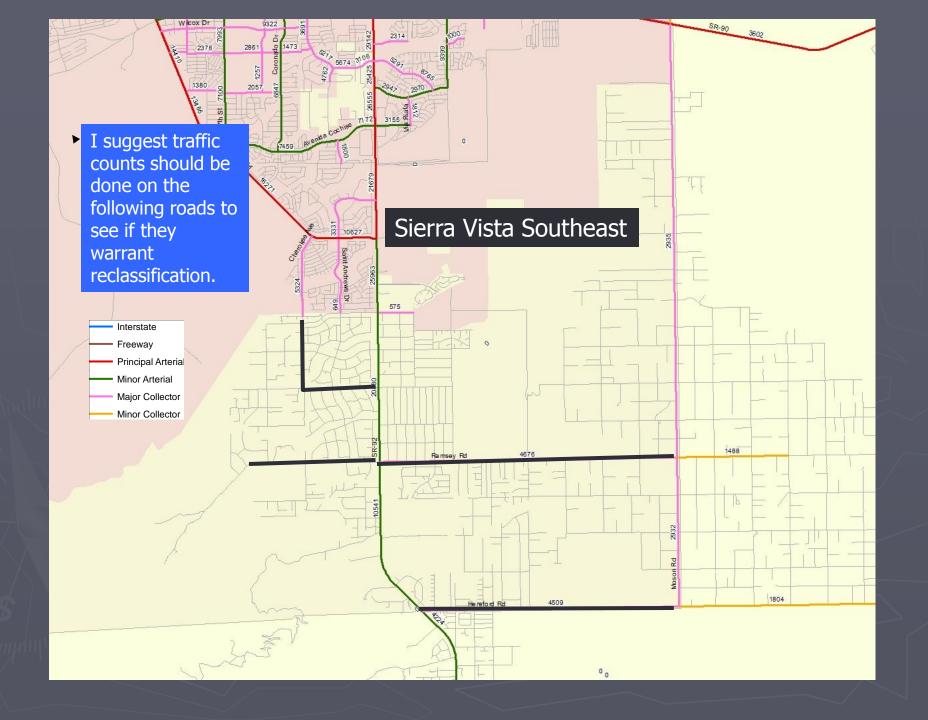
Collector and above 1604.2 miles = 26 % Locals 4517.1 miles = 74 %

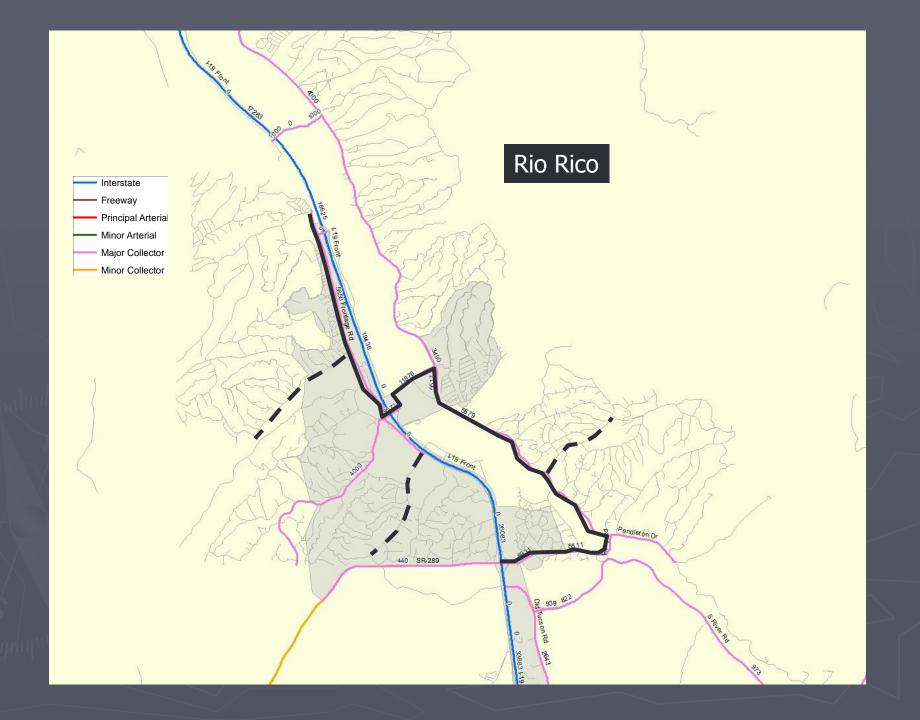
FHWA 2010 guidelines:

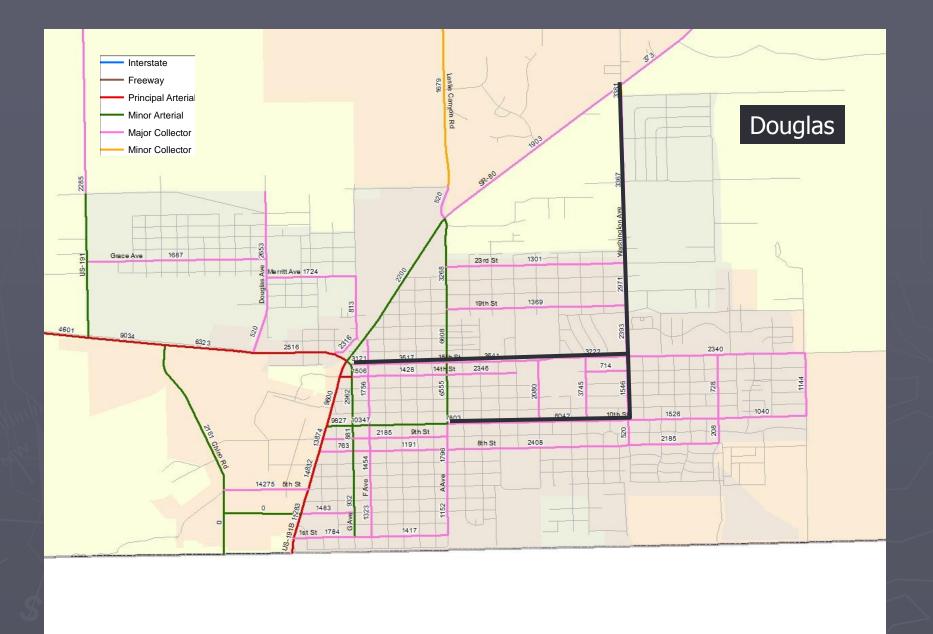
Collector and above < 35 % 26 % = GoodLocals > 65 % 74 % = Good

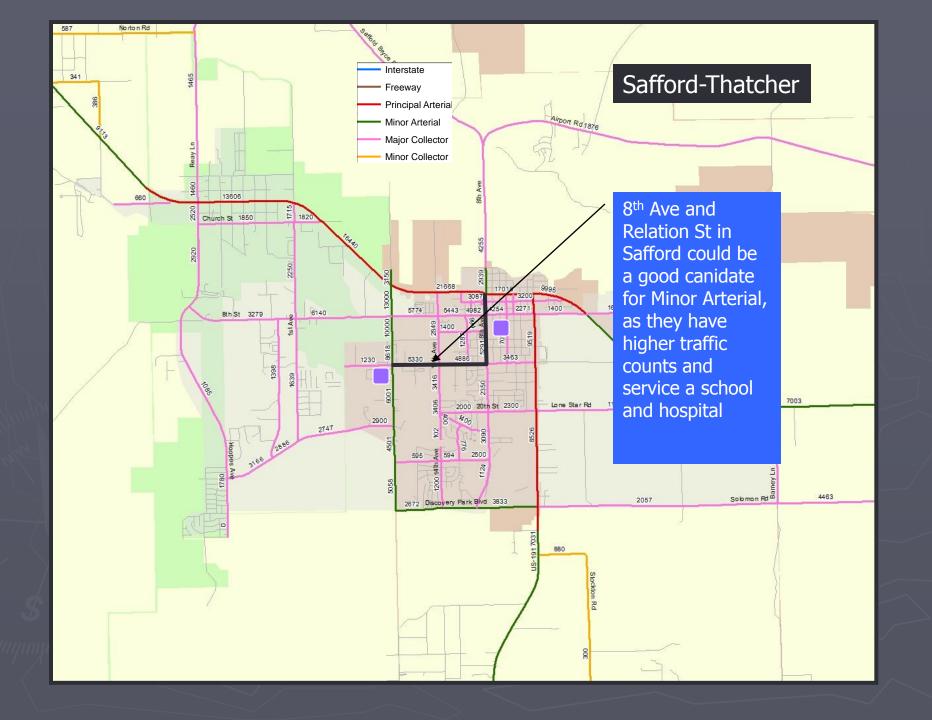
FHWA pre 2010 guidelines:

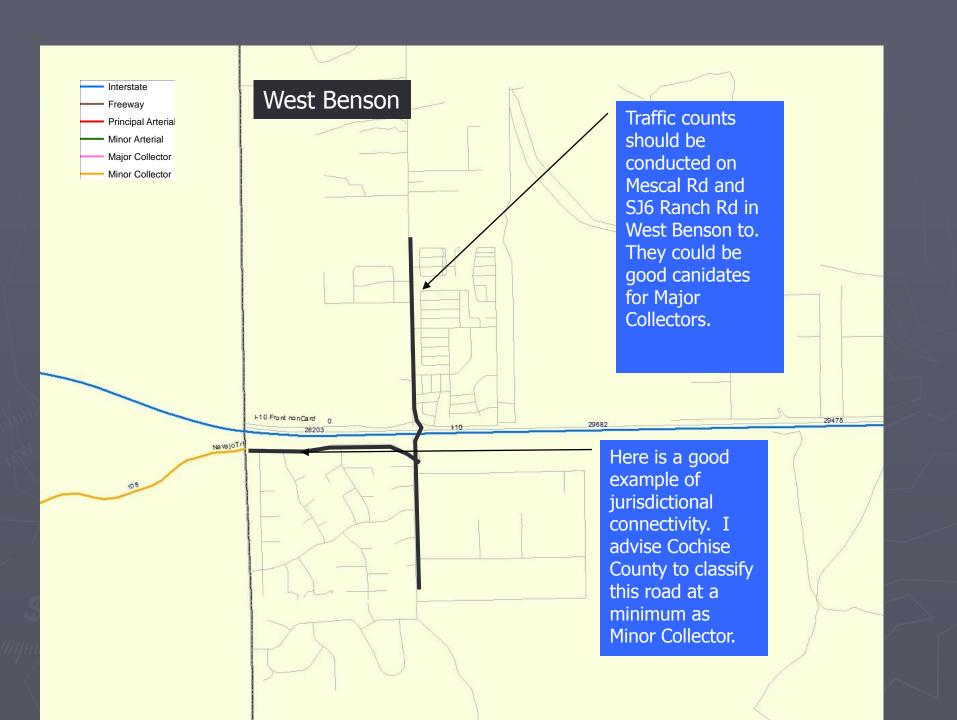
	Mileage	FHWA
Urban principal & minor arterials	105.5 = 13 %	15 – 25 %
Urban collectors	117.3 = 14 %	5 – 10 %
Urban locals	589.4 = 73 %	65 – 80 %
Rural principal & minor arterials	354.0 = 7 %	6 – 12 %
Rural collectors	1027.4 = 19 %	20 – 25 %
Rural locals	3927.7 = 74 %	65 – 75 %

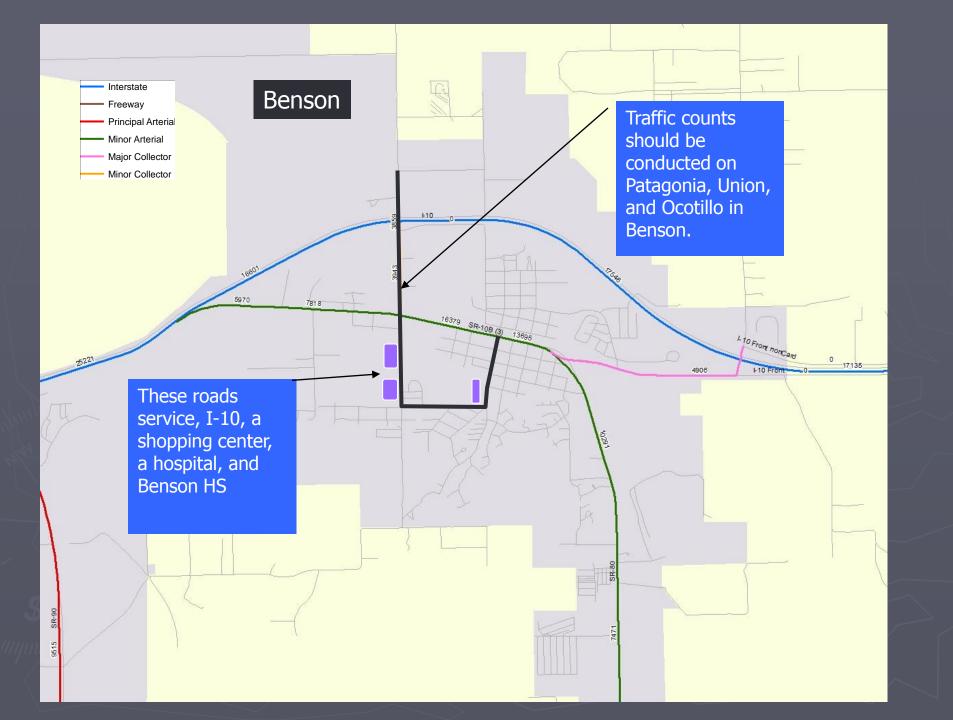








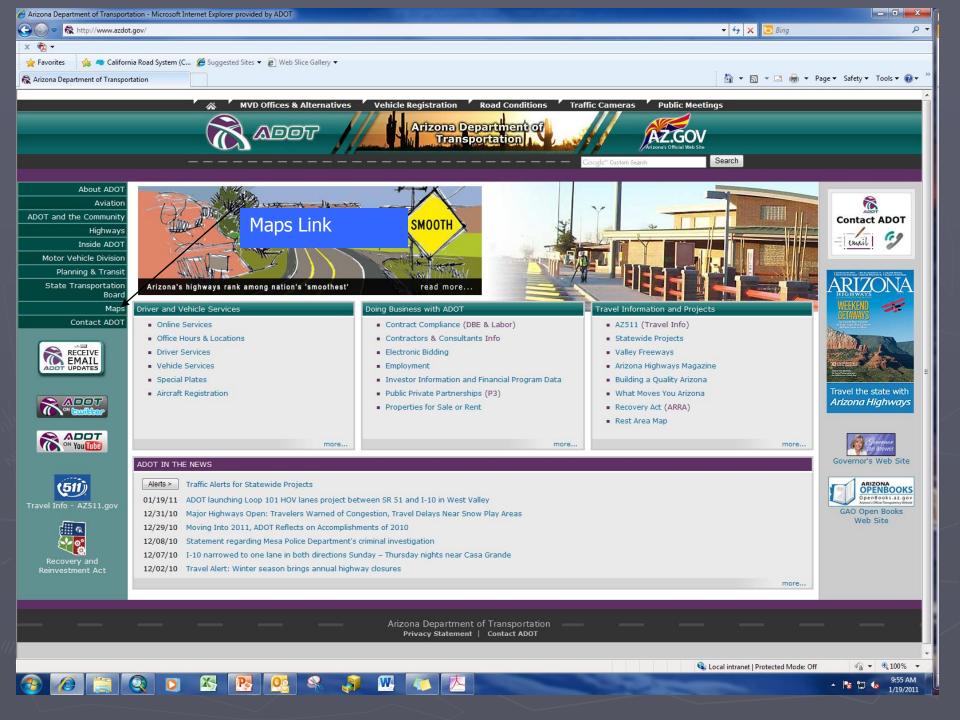


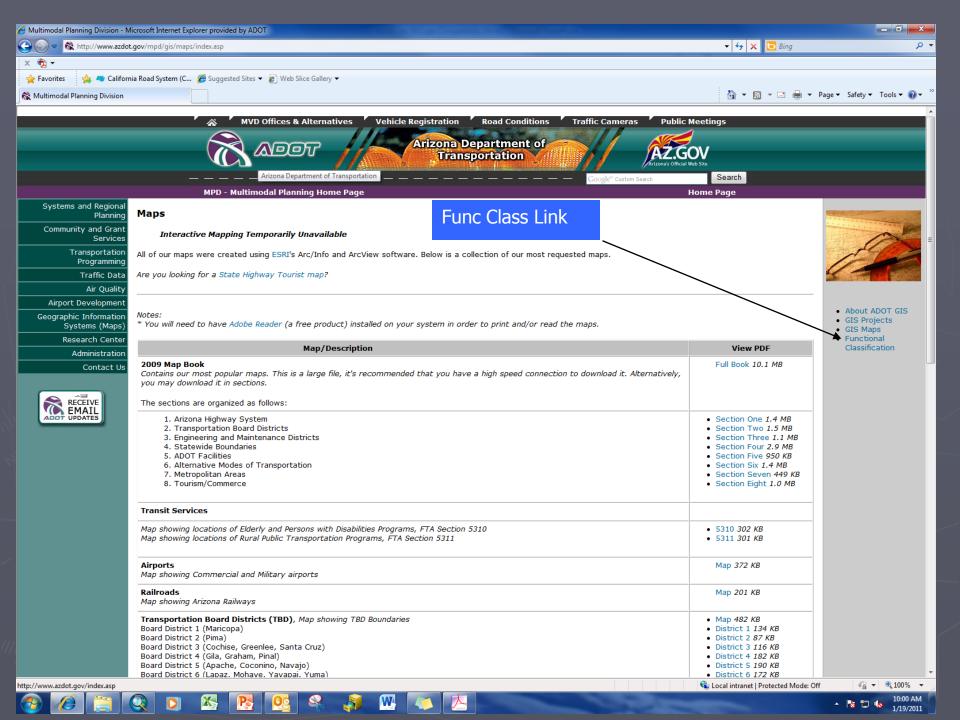


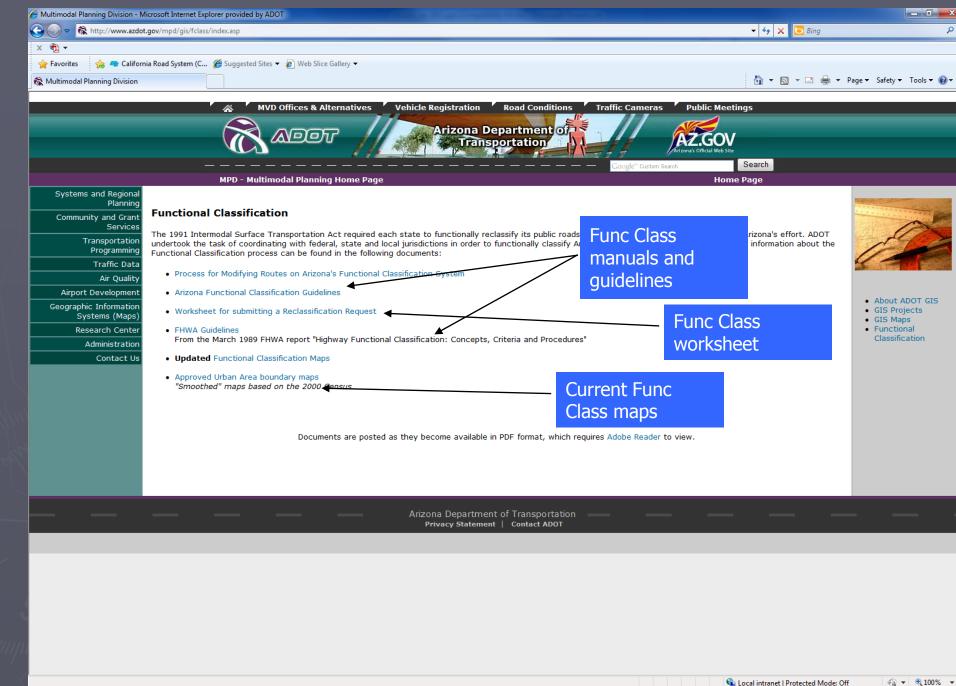
Preparing your reclassification request



- 1. Go to the ADOT homepage and click on "Maps" in the left menu. www.azdot.gov
- 2. Click on "Functional Classification" in the right menu.
- ➤ 3. On this page there is some useful info. Click on "Worksheet for submitting a Reclassification Request" Also review ADOT or FHWA Func class manuals provided.
- ▶ 4. Use the maps on the ADOT functional classification website to view your current functions class schema.







Preparing your reclassification request cont'd



- 5. Fill out a worksheet for each individual func class change and attach a map showing the proposed change, or a single map showing all of the changes if they occur in the same area.
- The COG or MPO needs to check the reclassifications and make sure that jurisdictional connectivity and hierarchy is maintained.
- 7. The COG or MPO needs to create a memo for ADOT that approves or disapproves of the func class requests.

This is an example of how to fill out a functional Classification worksheet.

Functional Classification Worksheet

Road Name: Park Ave	Length: 3.65 miles	
Limits (termini): From 3rd St to Oak St		
Current Functional Classification: Local Rd		
Proposed Functional Classification:		
Most recent traffic count (ADT): 3,565 mm/d	ld/yyyy <u>02/23/2010</u>	
Is this a future road? Construction must begin within 4 years. (circle one) ○Yes or ⊙No		
Has the local agency (owner) committed to funding any construction projects on this route (i.e. new construction, improvements, etc) , excluding or outside of any Federal funds? (circle one)		
If yes, attach a copy of any documentation to this request		
Has the regional planning body approved this request? If yes, attach a copy of either a) an adopted resolution passed by the approved motion shown in the minutes from an official meeting of the		
Request Criteria: Describe the reason for this request below (attach additional pages as necessary). If applicable, provide information on any specific traffic generators, population/housing changes (official Census or DES estimates), private or public development in the area, commercial/industrial activity and any other pertinent information that will help to justify this request. Please cite specific data and data sources for all figures used in the justification. Attach a map of the area with the route indicated on the map. Maps may be printed from the ADOT website at http://tpd.az.gov . Legible, handwritten notes on the map are acceptable.		

All items should be filled out. If the road is not built yet, there will obviously be no traffic counts. However, you can give an estimated or projected traffic count. Another example of a worksheet, this one has the map inserted into the space provided.

Functional Classification Worksheet

Road Name: Patte Road	Length: 1.14
Limits (termini): Haskell Avenue to Bisbee Avenue	
Current Functional Classification: Rural Local Road	
Proposed Functional Classification: Rural Minor Collecto	or Road
Most recent traffic count (ADT): 335 (48 hrs)	Year: 2009
Is this request consistent with the transportation plan	n? (circle one) Yes or No
Has the local agency (owner) committed to funding a (i.e. new construction, improvements, etc) . excluding	ny construction projects on this rout

If yes, attach a copy of any documentation to this request

Has the regional planning body approved this request? (circle one) Yes or to If yes, attach a copy of either a) an adopted resolution passed by the regional planning body; or (b) an approved motion shown in the minutes from an official meeting of the regional planning body.

(circle one) Yes or lo

Request Criteria: Describe the reason for this request below (attach additional pages as necessary). If applicable, provide information on any specific traffic generators, population/housing changes (official Census or DES estimates), private or public development in the area, commercial/industrial activity and any other pertinent information that will help to justify this request. Please cite specific data and data sources for all figures used in the justification. Attach a map of the area with the route indicated on the map. Maps may be printed from the ADOT website at http://tpd.az.gov. Legible, handwritten notes on the map are acceptable.

Patte Road connects to Haskell Avenue and Bisbee Avenue which are Rural Major Collector Roads. It is a gravel road at this time but is budgeted for a road construction in fiscal year 2009-2010. It will be budgeted for double chip seal on budget year 2010-2011, it serves a predominant livestock yard which brings heavy semi traffic.

ROAD TO BE
CLASSIFIED

Patte Rd

Scott St

SR-186

SR-186

SR-186

SR-186

ROAD TO BE
CLASSIFIED

Patte Rd

SCOTT ST

ROAD TO BE
CLASSIFIED

Patte Rd

SR-186

SR-186

SR-186

SR-186

SR-186

SR-186

SR-186

ROAD TO BE
CLASSIFIED

ROAD TO BE

Example of Memo included with func class requests.

FHWA should not be courtesy copied



302 North 1st Avenue, Suite 300 ▲ Phoenix, Arizona 85003
Phone (602) 254-6300 ▲ FAX (602) 254-6490
E-mail: meg@mag.maricope.gov ▲ Web site: www.mag.maricope.gov

July 29, 2009

Ms. Jennifer Toth, P.E. Division Director Multimodal Planning Division (MPD) Arizona Department of Transportation 206 South 17th Avenue Phoenix, Arizona 85007-3213

Re: Federal Functional Classification of Roadways in the MAG Planning Area

Dear Ms. Foth:

On June 24, 2009 and July 22, 2009, the MAG Regional Council took action to recommend that the following roadways be classified as Rural Major Collector or Urban Minor Arterial as appropriate.

- Vulture Mine Rd, US 60 to Northern Town Limit of Wickenburg
- · Pecos Road, 51st Avenue to East of Tashquinth Drive
- Estrella Drive, 67th Avenue to San Juan Avenue
- Norterra Parkway, Happy Valley Road to North Valley Parkway
- Maricopa Road, Oueen Creek Road to Wild Horse Pass Boulevard
- Fort McDowell Road, State Route 87 to Fort Loop Road
- Mojave Road, Pueblo Boulevard to Fort McDowell Road
- Yavapai Road, Pueblo Boulevard to Fort McDowell Road

It is requested that ADOT take appropriate action to review these requests and forward them to the Federal Highway Administration for their review and approval. All of these facilities are currently programmed to receive American Recovery and Reinvestment Act funding for Federal Fiscal Year 2009.

Application forms and maps for each of the reclassification requests are included with this letter.

If you have questions regarding this matter or need additional information, please contact me or Stephen Tate at (602) 254-6300.

Sincerely,

Eric Anderson
Transportation Director

cc:

Ed Stillings, FHWA Bill Vachon, FHWA John Dickson, ADOT

Mark Hodges, ADD Toluntary Association of Local Governments in Maricopa County

City of Apache Junction A City of Avandaic A Town of Buckeye A Town of Carefree A Town of Care Creek. A City of Chender A City of B Mirage A Fort McDowell Yavapai Nation A Town of Fountain Hills A Town of Gila Bend in Gila River Indian Community. A City of Election A City of Election A City of Election A City of Profession Country and City of Profession A City of Election A City of Election

Preparing your reclassification request cont'd



All documents can be submitted via email or mailed. However, I do need to see a signature on the memo.

MMcGill@azdot.gov p 602-712-7818

Questions?