



FHWA-TxDOT Federal Functional Classification Change Request Process

District and MPO Training

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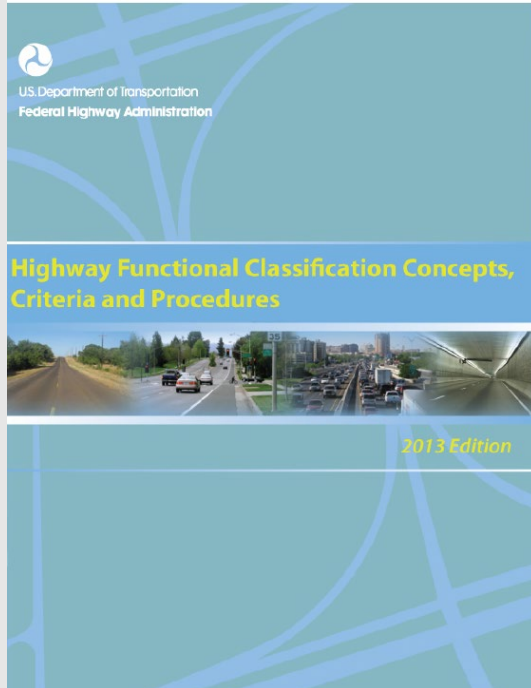


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FHWA Guidance

Highway Functional Classification Concepts, Criteria and Procedures



Federal Regulations

- 23 CFR § 470.103 (Definitions)
- 23 CFR § 470.105 (Urban area boundaries and highway functional classification)
- 23 CFR § 470.107 (Federal-aid highway systems)



Standard Operating Procedure



Federal Functional Classification System Change Request

Standard Operating Procedure

Texas Department of Transportation
Transportation Planning and Programming Division
[Last revision 09/27/23](#)

SOP File Path

Functional Classification Change Request – Checklist

Form 2373
08/20
Page 1 of 9

Introduction:

This form is intended for TxDOT Districts who submit a Functional Classification (FC) change outside of a Metropolitan Planning Organization (MPO) boundary or work with an MPO to address an FC change within an MPO boundary. TxDOT Districts should complete, sign, and include this form as a cover to the submittal package when requesting an FC change to the Transportation Planning and Programming Division (TPP). Each section lists the required items to be included in all FC change requests within and outside of MPO boundaries. Requests will only be reviewed and processed by TPP once all required items have been submitted.

Additional resources:

For more information on FC and to download the required documents, please visit the Transportation Planning and Programming [TPP FC SharePoint](#) platform

For questions or comments, please contact the TPP Division at TPP_FC@txdot.gov. The TPP Statewide Planning Branch will monitor this Inbox and respond to questions or comments. If you do not receive an initial response acknowledging receipt of the FC submittal package within two (2) business days, please contact the TPP Statewide Planning Branch Manager or the TPP Systems Planning Section Director.

A copy of this Checklist, signed by the Transportation Planning and Development Director (TP&D) for each TxDOT District, must be included with your FC change request package. A signature line (DocuSign) is included at the end of Section 3.

Section 1: Cause of Functional Classification change request

FC changes may occur in one or more of the following scenarios. Please select all that apply to your request.

- | | |
|---|---|
| <input type="checkbox"/> New roadway(s) built or extended | <input type="checkbox"/> Traffic patterns or volumes change |
| <input type="checkbox"/> Existing roadway(s) realigned or reconstructed | <input type="checkbox"/> Land use patterns change |

Section 2: FC Change within or outside MPO boundary

FC changes may occur in one of the following scenarios. Please select which applies to your request.

- FC change within MPO boundary
 FC change outside MPO boundary

Clear Form

Form 2373 Version 1.0 (Rev. 08-2023)

Checklist

Functional Classification – TxDOT Resources



Statewide Planning Map

TxDOT - Statewide Planning Map

MAP QUERY EVENT SRD PLAN

Basemaps

- TxDOT
- TxDOT Light Gray
- TxDOT Dark Gray
- Texas Imagery Service
- Esri Streets
- Open Street Map

Common Overlays

- Clear Overlays
- AADT
- Alt Fuels - Electric
- Bridges
- Control Sections
- Functional Classification & Urban Areas
- Hurricane Evacuation Routes
- Live Traffic
- Maintenance Section Boundaries
- Metropolitan Planning Organizations
- National Highway System
- Reference Markers
- Tolls
- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):

Air Quality

The screenshot displays the TxDOT Statewide Planning Map interface. The main map area shows a network of roads in Bryan, Texas, with various colors representing different functional classifications. The sidebar on the left contains a menu with categories: Basemaps, Common Overlays, Functional Classification & Urban Areas, and Additional Overlays. The 'Functional Classification & Urban Areas' category is currently selected. The 'Additional Overlays' section shows a dropdown menu with 'Air Quality' selected. The map includes labels for 'Bryan', 'Easterwood Airport', and 'College Station'. The interface also features a search bar, navigation controls (zoom in, zoom out, reset), and tabs for 'MAP', 'QUERY', 'EVENT', 'SRD', and 'PLAN'.

Standard Operating Procedure (SOP)



Background

What is Functional Classification?

When do FC changes occur?

Why are FC changes necessary?

What should I do before requesting a FC Change?

When is the right time to request a FC Change?

How do I submit a FC Change request?



Background

- The SOP applies to all FC changes on all public roadways, including:
 - The TxDOT-maintained highway network
 - Locally-maintained roadways
- Federal law places primary responsibility for designating and updating FC to State DOTs.
 - TxDOT's responsibility is to clearly define the role each element of the roadway network plays in serving various travel needs through the Federal FC System.



What is Functional Classification?

- The hierarchy divides roads into Arterials, Collectors, and Locals based on whether their primary travel function is:
 1. Access;
 2. Mobility; or
 3. Both Access and Mobility

PROPORTION OF SERVICE

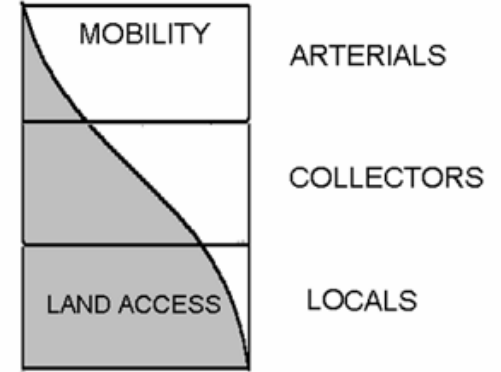


Table 2-1: Relationship between Functional Classification and Travel Characteristics

Functional Classification	Distance Served (and Length of Route)	Access Points	Speed Limit	Distance between Routes	Usage (AADT and DVMT)	Significance	Number of Travel Lanes
Arterial	Longest	Few	Highest	Longest	Highest	Statewide	More
Collector	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Local	Shortest	Many	Lowest	Shortest	Lowest	Local	Fewer



What is Functional Classification?







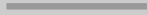
- Defines the role of a road
- Used as an indicator of roadway design and to determine eligibility for federal funding

	Range (percent)	
Urban Functional Systems	VMT	Miles
Principal arterial system	40-60	5-10
Principal arterial <u>plus</u> minor arterial road system	65-80	15-25
Collector road system	5-10	5-10
Local Road System	10-30	65-80



What is Functional Classification?

- Divided into 7 categories based on a hierarchy:

Function Classification	Hierarchy of Roadways	Statewide Planning Map Color
1	Interstate	
2	Other Freeways and Expressways	
3	Other Principal Arterial	
4	Minor Arterial	
5	Major Collector	
6	Minor Collector	
7	Local	





When do FC changes occur?

1. When new roads are built or extended.
2. When existing roads are realigned or reconstructed.
3. When traffic patterns or volumes change.
4. When land use patterns change.



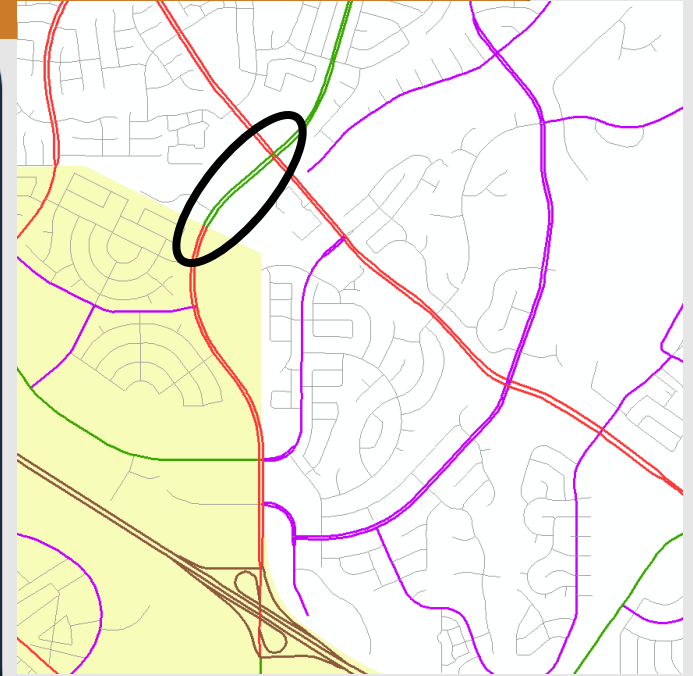
Why are FC changes necessary?

1. To reflect new functional uses of roadways.
2. To update the role each element of the roadway network plays in serving various travel needs.
3. To ensure that the roadway's design, speed, capacity, and relationship to existing and future land use development accurately reflect the intended use of the roadways.
4. To determine eligibility for federal funding to construct and maintain roadways.
5. To set or adjust roadway system performance, benchmarks, and targets for preservation, mobility, and safety.



What should I do before requesting a FC change?

- Consider *System Continuity*
 - A higher classified road should not end at a lower classified road.
 - Pay attention to the roadway's relationship to intersecting, adjacent, and nearby roadways.
 - A roadway's FC should not transition to a different FC unless doing so at an intersection or where it meets another roadway where traffic may enter or exit.
 - A roadway may not receive a FC above Local unless traffic volumes can support the need.





When is the right time to request a FC change?

- When a roadway project is considered consistent with the long-range plan and programmed for funding:
 - When the project first appears in the TIP.
 - At least 4 years before construction or when PE is listed or grouped in the STIP.
- Regardless of a project, when warranted due to changes in land use, traffic patterns, and traffic volumes.



How do I submit a FC change request?

- Requests must be submitted to TPP and approved by FHWA before a project is let for construction.
- Do not submit changes for the sole purpose of making a roadway eligible for federal funding.
- A roadway that is eligible for FHWA federal highway aid will not be eligible for FEMA federal disaster recovery funds.
- District-led requests must be coordinated with MPOs before routing the requests to TPP.
- MPO-led requests must be reviewed by Districts for concurrence and completeness before routing to TPP.
- Districts are responsible for ensuring that all FC change requests are consistent and accurate before they are submitted to TPP.



Steps to submitting a complete FC change request

Step 1: MPO or District prepares a complete FC change request package



Step 2: District emails the FC Change Request package to TPP



Step 3: TPP reviews and notifies the District whether they concur with the request



Step 4: TPP presents the proposed changes to FHWA for approval



Step 1: MPO or District prepares a complete FC change request package

- A complete FC change request package includes:
 1. FC Change Request Form 2373
 2. Form 2373 Additional Attachment Form (if necessary)
 3. Supporting documentation

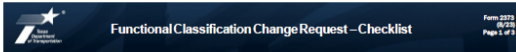
- Supporting documentation:
 1. Draft map – urban boundary, current development, AADT
 2. Letter of support from city or county, or MPO resolution
 3. For proposed or upgraded roads:
 - a) STIP / UTP / MTP entry
 - b) Estimated open to traffic date
 - c) Estimated let date

TPP FC Map Requests

<https://txdot.sharepoint.com/sites/division-tpp/DM-Admin/Lists/Data%20Request/AllItems.aspx>



Form 2373: FC Change Request Checklist



Introduction:

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Additional resources:

For more information on FC and to download the required documents, please visit the Transportation Planning and Programming [TPP FC SharePoint](#) platform

For questions or comments, please contact the TPP Division at TPP_FC@txdot.gov. The TPP Statewide Planning Branch will monitor this inbox and respond to questions or comments. If you do not receive an initial response acknowledging receipt of the FC submittal package within two (2) business days, please contact the TPP Statewide Planning Branch Manager or the TPP Systems Planning Section Director.

A copy of this Checklist, signed by the Transportation Planning and Development Director (TP&D) for each TxDOT District, must be included with your FC change request package. A signature line (DocuSign) is included at the end of Section 3.

Section 1: Cause of Functional Classification change request

FC changes may occur in one or more of the following scenarios. Please select all that apply to your request.

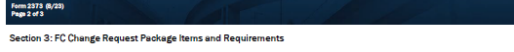
- New roadway(s) built or extended Traffic patterns or volumes change
 Existing roadway(s) realigned or reconstructed Land use patterns change

Section 2: FC Change within or outside MPO boundary

FC changes may occur in one or more of the following scenarios. Please select which applies to your request.

- FC change within MPO boundary
 FC change outside MPO boundary

Clear Form



Section 3: FC Change Request Package Items and Requirements

For FC Changes within MPO boundaries, the MPO submits the FC change request package to the corresponding TxDOT District. The FC change request package **must** include the items listed below as applicable upon submittal. The corresponding TxDOT District then submits the complete package to TPP_FC@txdot.gov.

For FC Changes outside MPO boundaries, TxDOT District staff submits an FC change request package to the TPP Division. The FC change request package **must** include the items listed below as applicable upon submittal to TPP_FC@txdot.gov.

Select items included in your FC change request package.

- A list of changes (see Table 1 for a template of the required information)
 Rationale for each FC change (as indicated in the Table 1 template)
 Draft map(s) clearly depicting proposed change(s)
 Urban boundary
 Current development (aerial photo, [Google Street View](#))
 Land use
 Major traffic generator(s)
 Roadway(s) for which a FC change is being requested and most current AADT
 Existing roadways with associated FC hierarchy and most current AADT
 Letter of support from city or county or MPO resolution (other backup documents such as meeting minutes or agendas can be included)
 FC change request email to TPP_FC@txdot.gov

In addition to the items listed above, the following information are **required** for FC changes on proposed or upgraded roads. **Select items included in your FC change request package, along with supporting documentation.**

- Outside MPO boundary: STIP or UTP entry
 Estimated open to traffic date
 Estimated let date
 Within MPO boundary: STIP/TIP (MTP or UTP) entry
 Estimated open to traffic date
 Estimated let date

Is the FC change associated to a project already included in the STIP / TIP or UTP? Yes No

If you answered yes to the previous question, enter the corresponding CSJ(s) on the following line. You may include this information as an attachment if more space is needed.



List FC changes following the Table 1 template, to be included in the Change Request email to TPP_FC@txdot.gov.

Table 1: List of FC changes included in request package (example template)

Map ID	Roadway	From	To
1	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 350 character limit		
	Rationale for FC change:	Choose an item	
Detailed justification and context for the FC change requested: 350 character limit		(Example Example: FM 1171 will improve east-west mobility and connectivity in southeast Denton County, while also providing access to the Texas Motor Speedway.)	

Map ID	Roadway	From	To
2	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 350 character limit		
	Rationale for FC change:	Choose an item	
Detailed justification and context for the FC change requested: 350 character limit		(Example Example: FM 1171 will improve east-west mobility and connectivity in southwest Denton County, while also providing access to the Texas Motor Speedway.)	

If there are more roadway segments associated with this FC change request, please provide additional table(s) as an attachment.

Note: Examples on how to fill out this table are included in the SOP, included in the [Functional Classification Changes](#) page.

I have reviewed this FC change request package and concur with the recommendation(s). All required documents are included.

District TP&D Approval
 [DocuSigned by] _____ Date _____

Standard Operating Procedure



Form 2373: FC Change Request Checklist

Table 1: List of FC changes included in request package (example template)

Map ID	Roadway	From	To
1	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Choose an item 1 - Interstate 2 - Other Freeways and Expressways 3 - Other Principal Arterial 4 - Minor Arterial 5 - Major Collector 6 - Minor Collector 7 - Local None	Choose an item	
	Detailed justification and context for the FC change requested: 350 character limit	[Replace Example: FM 1174 will improve east-west mobility and connectivity in southwest Denton County, while also providing access to the Texas Motor Speedway.]	

Table 1: List of FC changes included in request package (example template)

Map ID	Roadway	From	To
1	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 350 character limit		
	Rationale for FC change:	Choose an item	
	Detailed justification and context for the FC change requested: 350 character limit	Choose an item Improve Access Improve Mobility Improve Access and Mobility	

I have reviewed this FC change request package and concur with the recommendation(s). All required documents are included.

District TP&D Approval
[DocuSigned by:]

Date



Form 2373 Additional Roadway Segment(s) Attachment

Form 2373 (Rev. 08/20)
Page 1 of 2

Functional Classification Change Request – Checklist Attachment: Additional Roadway Segment(s)

Map ID	Roadway	From	To
	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 360 character limit		
	Rationale for FC change: Choose an item		
	Detailed justification and context for the FC change requested: 350 character limit		

Map ID	Roadway	From	To
	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 360 character limit		
	Rationale for FC change: Choose an item		
	Detailed justification and context for the FC change requested: 350 character limit		


Map ID	Roadway	From	To
	Existing FC	Proposed FC	Length (mi)
	Choose an item	Choose an item	
	Project Information (if applicable): 360 character limit		
	Rationale for FC change: Choose an item		
	Detailed justification and context for the FC change requested: 350 character limit		



Step 2: District emails the FC Change Request package to TPP

- TPP_FC@txdot.gov
 - Subject line:

[Name] District / MPO Name FC change request – [Route Name]

 Send	To	TPP_FC@txdot.gov
	Cc	
	Subject	Dallas District FC Change Request – FM 1171



Step 3: TPP reviews and notifies the District whether they concur

- TPP will notify the corresponding TxDOT District that either:
 1. Additional documentation or clarification is needed; or
 2. All required documentation has been provided, TPP Division concurs with the requested FC, and the request will be forwarded to FHWA.



Step 4: TPP presents the proposed changes to FHWA for approval



Texas Department of Transportation

125 EAST 11TH STREET, AUSTIN, TEXAS 78701-2483 | 512.463.8568 | WWW.TXDOT.GOV

May 17, 2023 (note format)

Mr. Al Alonzi
Division Director
Federal Highway Administration
3300 East 8th Street, Suite 826
Austin, TX 78701

Attention: Genevieve Bales

Dear Mr. Alonzi:

For your review and approval is the following Functional Classification (FC) request for [Route in County, MPO], located in Texas Department of Transportation's (TxDOT) [XYZ District].

Roadway	From	To	Length (mi)	Rationale	Current FC	Proposed FC
Route Name	From limit route	To limit route	Length in miles	Reason for change	Old Classification	New Classification

This request proposes to functionally classify the segment of [Route from Route to Route] as [functional classification (capitalize)]. [Route is a new location facility.]

Attached is the FC submittal for the roadway listed in the table above. This submission includes a map of the recommended FC and documentation from [the XYZ MPO, XYZ County, XYZ City] and the [District] supporting these changes.

If you have any questions or need additional information, please contact Casey Wells, Systems Planning Section Director, at (512) 423-6986.

Sincerely,

Humberto Gonzalez, Jr., P.E., M.B.A.
Director, Transportation Planning and Programming Division

Attachments

Mr. Al Alonzi

2

May 17, 2023

cc:

[NAME, DISTRICT], Transportation Planning and Development Director, TxDOT
Casey Wells, Transportation Planning and Programming Division, Systems Planning Section Director, TxDOT
Ibrahima Tembely, Transportation Planning and Programming Division, Planner, TxDOT
Robert Ramirez, Transportation Planning and Programming Division, Planner, TxDOT



Step 4: TPP presents the proposed changes to FHWA for approval

- TPP will forward the FHWA approval notification to the requesting District and MPO, if applicable, and TPP's Data Management Section.
- TPP's Statewide Planning Branch will update the FC tracking log.
- TPP's Data Management Section will update the Statewide Planning Map.
- TxDOT Districts will update TxDOTCONNECT, if applicable.



What Makes a Comprehensive FC Change Request Package?

1. Consistent Project Limits
2. Complete Supporting Documentation
 - Recent Traffic Data (AADT)
 - Statewide Planning Map
 - TIP / STIP / UTP / MTP Reference, as applicable
 - Land Use Map, if applicable
 - MPO Meeting Minutes, if applicable
3. Clear Project Description
4. Justification Focused On Access and/or Mobility
5. Verified Traffic Data
6. MPO Meeting Minutes Referencing the FC Change Request
7. Accurate and Appropriate Proposed FC

Demonstration: Comprehensive FC Change Request Package



DocuSign Envelope ID: 27D3DC8C-3E83-451B-A878-CFD1702B6077



Texas Division
July 14, 2023

300 E. 8th Street, Rm 826
Austin TX 78701
512-536-5900
512-536-5990
Texas.fhwa@dot.gov

In Reply Refer To:
HDA-TX

Mr. Humberto "Tito" Gonzales Jr.
Director, Transportation Planning and
Programming Division
Texas Department of Transportation
125 East 11th Street,
Austin, TX 78701-2483

Attn: Robert Ramirez

Dear Mr. Gonzales:

Thank you for your letter requesting classification of the Russel Road. We noted that Russel Road and the future Russel Road are in Hidalgo County and are part of the Texas Department of Transportation's (TxDOT) Pharr District, and Rio Grande Valley Metropolitan Planning Organization (RGVMPPO). Please find a summary of the requested reclassification along with FHWA's determination below.

Facility	From	To	Miles	Current Functional Classification	Requested Functional Classification	FHWA Determination
Russel Road	FM 2220	0.5 mi west of Rooth Road	0.50	N/A Future Road	Minor Collector	<i>Proposed Minor Collector</i>
Russel Road	0.5 mi west of Rooth Road	Rooth Road	0.50	Local	Minor Collector	Minor Collector

Please note that all future routes are required to be to be separately classified as *Proposed* routes and properly reflected in the Statewide Planning Map. Once the road is built and open to traffic it may transition to existing routes. FHWA must be notified in writing for record purposes, and the Statewide Planning Map should also be updated, and a PDF provided.

If you have any questions, please contact Ms. Genevieve Bales at Genevieve.Bales@dot.gov or 512-536-5941.

Sincerely yours,

Michael T. Leary,
Planning and Programming Director

Cover



Federal Functional Classification
System Change Request For:
Russell Road
(TxDOT Pharr District)
Approved July 14, 2023

Supporting Documentation
Texas Department of Transportation
Transportation Planning and Programming Division

FHWA Memo to
TxDOT



125 EAST 11TH STREET, AUSTIN, TEXAS 78701-2483 | 512.463.8588 | WWW.TXDOT.GOV

June 6, 2023

Mr. Al Alonzi
Division Administrator
Federal Highway Administration
3300 East 8th Street, Suite 826
Austin, TX 78701

Attention: Genevieve Bales

Dear Mr. Alonzi:

For your review and approval is the following Functional Classification (FC) request for Russell Road in Hidalgo County within the Rio Grande Valley Metropolitan Planning Organization (RGVMPPO), located in the Texas Department of Transportation's (TxDOT) Pharr District.

TxDOT Memo to
FHWA

Roadway	From	To	Length (mi)	Rationale	Current FC	Proposed FC
Russell Road	FM 2220	0.5 mi west of Rooth Road	0.50 mi.	This facility will improve access to the Tres Lago development, neighborhoods, schools, parks, and commercial areas.	NA (New Location)	Minor Collector
Russell Road	0.5 mi west of Rooth Road	Rooth Road	0.50 mi	This facility will improve access to Tres Lago development, neighborhoods, schools, parks, and commercial areas.	Local	Minor Collector

This request proposes to functionally classify Russell Road from FM 2220 to Rooth Road as Minor Collector. Russell Road is a new location and realigned facility.

Attached is the FC submittal for the roadway listed in the table above. This submission includes a map of the recommended FC and documentation from the RGVMPPO, Hidalgo County, City of McAllen and the Pharr District supporting these changes.

OUR VALUES: People • Accountability • Trust • Honesty
OUR MISSION: Connecting you with Texas

An Equal Opportunity Employer

Demonstration: Comprehensive FC Change Request Package



For your review and approval is the following Functional Classification (FC) request for Russell Road in Hidalgo County within the Rio Grande Valley Metropolitan Planning Organization (RGVMPO), located in the Texas Department of Transportation's (TxDOT) Pharr District.

Roadway	From	To	Length (mi)	Rationale	Current FC	Proposed FC
Russell Road	FM 2220	0.5 mi west of Rooth Road	0.50 mi.	This facility will improve access to the Tres Lago development, neighborhoods, schools, parks, and commercial areas.	NA (New Location)	Minor Collector
Russell Road	0.5 mi west of Rooth Road	Rooth Road	0.50 mi	This facility will improve access to Tres Lago development, neighborhoods, schools, parks, and commercial areas.	Local	Minor Collector

This request proposes to functionally classify Russell Road from FM 2220 to Rooth Road as Minor Collector. Russell Road is a new location and realigned facility.

Attached is the FC submittal for the roadway listed in the table above. This submission includes a map of the recommended FC and documentation from the RGVMPO, Hidalgo County, City of McAllen and the Pharr District supporting these changes.

TxDOT Memo to FHWA

Thank you for your letter requesting classification of the Russel Road. We noted that Russel Road and the future Russel Road are in Hidalgo County and are part of the Texas Department of Transportation's (TxDOT) Pharr District, and Rio Grande Valley Metropolitan Planning Organization (RGVMPO). Please find a summary of the requested reclassification along with FHWA's determination below.

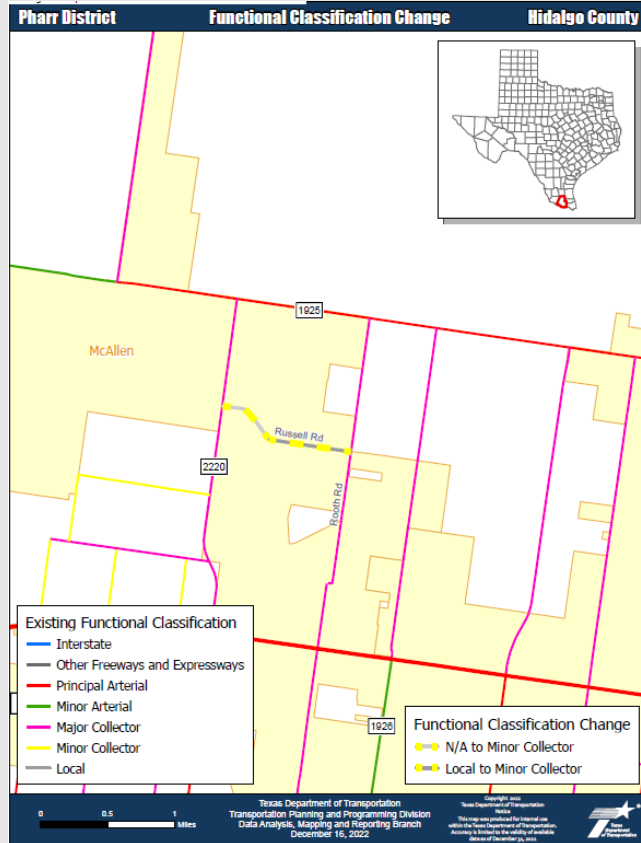
Facility	From	To	Miles	Current Functional Classification	Requested Functional Classification	FHWA Determination
Russel Road	FM 2220	0.5 mi west of Rooth Road	0.50	N/A Future Road	Minor Collector	Proposed Minor Collector
Russel Road	0.5 mi west of Rooth Road	Rooth Road	0.50	Local	Minor Collector	Minor Collector

Please note that all future routes are required to be to be separately classified as *Proposed* routes and properly reflected in the Statewide Planning Map. Once the road is built and open to traffic it may transition to existing routes. FHWA must be notified in writing for record purposes, and the Statewide Planning Map should also be updated, and a PDF provided.

FHWA Memo to TxDOT



TPP FC
Change
Map



Supporting Documentation

List of Items

- TPP FC Change Request Memo
- TIP
- MTP - RGV MPO
- STIP
- RGV MPO Resolution
- Hidalgo County Materials
- Traffic Data

Supporting
Documentation
Cover

Demonstration: Comprehensive FC Change Request Package




MEMO

May 5, 2022

To: Peggy Thurin, P.E.
Director, Systems Planning Section, TPP

Through: Mary Champine, MPO Liaison
Transportation Planner III

From: Melba R. Schaus, P.E. 
Planning Engineer

Subject: Russell Road CSJ #0921-02-362
Federal Functional Classification Request

Russell Road is proposed to be realigned in Hidalgo County, within the Pharr District. Request is being submitted for your review and approval. Below is project information and the supportive documentation from the RGVMPD and Local Government.

Facility Name: **Russell Road** Map Sheet: N/A
(must be linked to map location)

Limits: FM 2220 (Ware Road) to Rooth Road

Old FC: Local and New Construction (Resignment) Exact Mileage: 1 Mile
(to 100th of a mile)

New FC: Urban Minor Collector Exact Mileage: 1 Mile
(to 10th of a mile)

Jurisdiction (local government / MPO): Rio Grande Valley MPO

Has consultation with the local government / MPO occurred? Yes No

Justification for FC Change:

The proposed project, **Russell Road**, is to widen a portion of the existing roadway from 2 lanes to 4 lanes and another portion of the project will be realigned to 0.2 Miles north of the existing Russell Road. This will facilitate easier access to the Tres Lagos development, neighborhoods, schools, parks and commercial areas. The construction of the Tres Lagos community has created an increase in the development in that area of Hidalgo County and the northern limits of the City of McAllen. The request is to functionally classify this project as an Urban Minor Collector. The purpose of this project is to improve safety, connectivity and mobility within that developing area that seems to be growing at a high pace.

We are requesting formal approval of this functional classification request. Attached are maps showing the location(s) and supportive documents recommending functional classification for the roadway. If you have questions or need additional information, please contact me at (956) 702-6181.

Attachments:

1. MPO Letter/Resolution & Map
2. Statewide Planning Map
3. STIP and MTP Clipping
4. LG Memo request/Map/Supportive Documents

Hidalgo County Area - RGV MPO										
FY 2023-2026 Transportation Improvement Program										
Pharr District Projects										
FY 2024										
DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST			
IND COSTS:		\$1,193,768								
IND FINANCING:										
PT CHG GRD:										
TOTAL PROJECT COST:		\$49,405,717					\$7,120,000	\$2,780,000	\$0	\$43,505,717

Performance Measures	
PM 1: Safety	
PM 2: Pavement Conditions	
PM 3: System Performance	

PHARR	HIDALGO	0921-02-362	CJR	McAllen	PCT 4	\$3,321,300	
LIMITS FROM:	On Russell Rd., from FM 2220 (Ware Rd)					REVISION DATE:	7/1/2022
LIMITS TO:	Rooth Rd.					MPO PROJ NUMBER:	HC-RU1
PROJECT DESCRIPTION:	Realignment - Widening from 2 to 4 lane urban roadway					FUNDING CAT(S):	SLC
REMARKS:	Pending Functional Classification					PROJECT HISTORY:	

TOTAL PROJECT COST INFORMATION		AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIM ENG:	\$58,800	COST OF APPROVED PHASES:	CAT 3 - LOCAL	FEDERAL	STATE	LOCAL	LC	TOTAL			
ROW PURCHASE:	\$150,000						\$3,321,300	\$3,321,300			
CONST COST:	\$2,700,000										
CONST ENG:	\$12,500	\$3,321,300									
CONTING:	\$0										
IND COSTS:	\$0										
IND FINANCING:	\$0										
PT CHG GRD:	\$0										
TOTAL PROJECT COST:	\$3,321,300						\$0	\$0	\$0	\$3,321,300	\$3,321,300

Performance Measures	
PM 1: Safety	
PM 2: Pavement Conditions	
PM 3: System Performance	

TIP Entry

Pharr	Hidalgo	0885-01-108	SH 495	C	Palmerview	TxDOT	\$15,721,328
LIMITS FROM:	Veterans Blvd, from IH-2					REVISION DATE:	7/1/2022
LIMITS TO:	SH 364 (A+ Home Rd)					MPO PROJ NUMBER:	HC-50
PROJECT DESCRIPTION:	Construct 4 lane divided urban section					FUNDING CAT(S):	1, 2
REMARKS:						PROJECT HISTORY:	

TOTAL PROJECT COST INFORMATION		AUTHORIZED FUNDING BY CATEGORY/SHARE						
PRELIM ENG:	\$758,140	COST OF APPROVED PHASES:	CAT 1	STATE	STATE	LOCAL	LC	TOTAL
ROW PURCHASE:	\$2,899,360			\$526,536	\$131,434			\$658,170
CONST COST:	\$15,721,328							
CONST ENG:	\$919,061	\$15,721,328						
CONTING:	\$915,622							

* PHASE: C = CONSTRUCTION, E = ENGINEERING, R = ROW, T = TRANSFER
* FUNDING NOT FIED

FC Change Request Memo
(replaced with Form 2373)

OUR VALUES: People • Accountability • Trust • Honesty

OUR MISSION: Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods

An Equal Opportunity Employer

Peggy Thurin, P.E.

2

May 4, 2022

Demonstration: Comprehensive FC Change Request Package



FY 2020-2045 Metropolitan Transportation Plan (MTP) - RGV/MPO

MTP Entry	MTP Entry	Title	FA	FDR	MFA	Program/Category	Program/Category	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	Total	
																																			2020
1	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
STARK																																			
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
BROWNVILLE																																			
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
BARRENSVILLE																																			
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
BARRENSVILLE																																			
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
BARRENSVILLE																																			
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
BARRENSVILLE																																			
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
BARRENSVILLE																																			
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
BARRENSVILLE																																			
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BARRENSVILLE																																			
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
BARRENSVILLE																																			
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
BARRENSVILLE																																			
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
BARRENSVILLE																																			
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
BARRENSVILLE																																			
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
BARRENSVILLE																																			
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
BARRENSVILLE																																			
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
BARRENSVILLE																																			
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
BARRENSVILLE																																			

MTP Entry

Demonstration: Comprehensive FC Change Request Package



Logged in as Mark Champe [Log Out](#)

[Project Management](#) | [Reports](#) | [Support](#)

Project Management > Area List > STIPs (in RIO GRANDE VALLEY) > Revisions (0) > TIP Inquiries (Unassigned) > Highway Projects (Unassigned) > Project Details

Color Key: Business rule violation Value changed in current session Different from DCIS or latest approved copy

Statewide STIP Revision None Phase Construction Total Project Cost Information
 District PHARR County HDALGO Engineering Prelim Engineering \$59,900
 MPO RIO GRANDE VALLEY Highway CS Engineering ROW Purchase \$30,000
 CS# 0921 02 362 TIP FY 2024 Accessibility Const Engrng \$2,600,000
 Revision Date 07/20/22 NOX (In D) Potential Chg \$0
 Project Sponsor PCT 4 VOC (In D) Total Project Cost \$3,221,300
 MPO Proj Number HC-RU1 PM10 (In D) YOE Cost \$0
 MTP Reference PM22 (In D) Toll \$0
 City MCALLEN CO (In D) TCM \$0
 Limits From On Rural Rd. from FM 2202 (Ware Rd)
 Limits To Roath Rd.

Project Description Realignment - Widening from existing 2 to 4 lanes urban roadway

P7 Remarks En Preliminary & Construction Engineering - Pending Functional Classification

Project History Admin - Cost & Funding

Category	Authorized Funding by Category/Share				Local Contributions	Total
	Federal	State	Regional	Local Match		
3LC		\$0	\$0	\$0	\$0	\$3,221,300
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$3,221,300	\$3,221,300

PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300
		APPROVED				
		PHASES				
		\$3,221,300				

TIP History

2023-2024 STIP	DISTRICT	MPO	COUNTY	CSJ	TIPFY	HWY	PHASE	CITY	YOE COST
2023-2024 STIP	PHARR	RIO GRANDE VALLEY	HDALGO	0921-02-362	2024	CS	C.E.R.	MCALLEN	\$3,221,300

LIMITS FROM: On Rural Rd. from FM 2202 (Ware Rd)										PROJECT SPONSOR: PCT 4									
LIMITS TO: Roath Rd.										REVISION DATE: 07/20/22									
PROJECT Management - Widening from existing 2 to 4 lanes urban roadway										MPO PROJ NUM: HC-RU1									
DISCR: En Preliminary & Construction Engineering - Pending Functional Classification										FUNDING CATS: 3LC									
REMARKS P7: En Preliminary & Construction Engineering - Pending Functional Classification										PROJECT Admin - Cost & Funding									
RESTRICT										RESTRICT									
AUTHORIZED FUNDING BY CATEGORY/SHARE										AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300
		APPROVED																	
		PHASES																	
		\$3,221,300																	

2023-2024 STIP										07/20/22 Revision: Approved 07/20/2022									
LIMITS FROM: On Rural Rd. from FM 2202 (Ware Rd)										LIMITS TO: Roath Rd.									
PROJECT Management - Widening from existing 2 to 4 lanes urban roadway										PROJECT SPONSOR: PCT 4									
DISCR: En Preliminary & Construction Engineering - Pending Functional Classification										MPO PROJ NUM: HC-RU1									
REMARKS P7: En Preliminary & Construction Engineering - Pending Functional Classification										PROJECT Admin - Cost & Funding									
RESTRICT										RESTRICT									
AUTHORIZED FUNDING BY CATEGORY/SHARE										AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300
		APPROVED																	
		PHASES																	
		\$3,221,300																	

2021-2024 STIP										11/20/21 Revision: Administrative 07/01/2022									
LIMITS FROM: FM 2202 (Ware Rd)										LIMITS TO: Roath Rd.									
PROJECT Management - Widening from existing 2 to 4 lanes urban roadway										PROJECT SPONSOR: PCT 4									
DISCR: En Preliminary & Construction Engineering - Pending Functional Classification										MPO PROJ NUM: HC-RU1									
REMARKS P7: Pending Functional Classification - Realignment - Widening from existing 2 to 4 lanes urban roadway										PROJECT Admin - Cost & Funding									
RESTRICT										RESTRICT									
AUTHORIZED FUNDING BY CATEGORY/SHARE										AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300
		APPROVED																	
		PHASES																	
		\$1,704,900																	

2021-2024 STIP										11/20/21 Revision: Administrative 5/10/2022									
LIMITS FROM: FM 2202 (Ware Rd)										LIMITS TO: Roath Rd.									
PROJECT Management - Widening from existing 2 to 4 lanes urban roadway										PROJECT SPONSOR: PCT 4									
DISCR: En Preliminary & Construction Engineering - Pending Functional Classification										MPO PROJ NUM: HC-RU1									
REMARKS P7: Pending Functional Classification - Realignment of existing 2 lanes urban roadway										PROJECT Admin - Cost & Funding									
RESTRICT										RESTRICT									
AUTHORIZED FUNDING BY CATEGORY/SHARE										AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300
		APPROVED																	
		PHASES																	
		\$1,704,900																	

2021-2024 STIP										11/20/21 Revision: Approved 11/22/2021									
LIMITS FROM: FM 2202 (Ware Rd)										LIMITS TO: Roath Rd.									
PROJECT Management - Widening from existing 2 to 4 lanes urban roadway										PROJECT SPONSOR: PCT 4									
DISCR: En Preliminary & Construction Engineering - Pending Functional Classification										MPO PROJ NUM: HC-RU1									
REMARKS P7: Pending Functional Classification - Pending CSJ										PROJECT Admin - Cost & Funding									
RESTRICT										RESTRICT									
AUTHORIZED FUNDING BY CATEGORY/SHARE										AUTHORIZED FUNDING BY CATEGORY/SHARE									
PRELIMING	ROW PURCH	CONST ENGR	INDIRECT	BOND FIN	POT CHG CRD	TOTAL COST	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL	
\$ 69,000	\$ 30,000	\$ 2,600,000	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,221,300	\$ 3,221,300
		APPROVED																	
		PHASES																	
		\$1,704,900																	

Time	User	Comment	Comment History	Release Approval
2020/09/27 14:36:40	KIA Fauer			07/20/22: Approved
2020/09/22 11:01:37	KIA Fauer			11/20/21: Approved

STIP Portal Tue, Mar 14, 2023 2:51:08 PM



STIP Entry

Demonstration: Comprehensive FC Change Request Package



RIO GRANDE VALLEY METROPOLITAN PLANNING ORGANIZATION

510 South Pleasantview Drive, Weslaco, TX. 78596
(956) 969-5778

April 13, 2022

PLANNING PARTNERS:

MAYOR AMERGOLO HERNANDEZ
CHAIRMAN
CITY OF PHARR

JUDGE EDDIE TREVIÑO, JR.
VICE CHAIRMAN
CAMERON COUNTY

CAMERON COUNTY RMA

CITY OF BROWNSVILLE

CITY OF EDDINBURG

CITY OF HURLINGEN

CITY OF MALLEN

CITY OF MISSION

CITY OF SAN BENITO

HIDALGO COUNTY

HIDALGO COUNTY RMA

TxDOT (PHARR DISTRICT)

VALLEY METRO

STAFF:
ANDREW A. CANON
EXECUTIVE DIRECTOR

LUIS M. DIAZ
ASSISTANT DIRECTOR

EX-OFFICIO:
RIO GRANDE VALLEY
PARTNERSHIP

RE: Federal Functional Classification of **Russel Road**

CSJ: **0921-02-362**

The RGV MPO in coordination with Hidalgo County Commissioner Precinct 4 is requesting federal functional Classification of Russel Road as approved by the RGV MPO Transportation Policy Board on March 30, 2022 on Resolution 2022-07; included in request packet supportive documentation. Russel Road is set to let in FY 2024 existing on STIP as a construction Phase being requested to be Functionally Classified as an Urban Minor Collector.

Thank You for your consideration.

Please let me know if there are any questions or if I may be of assistance.

Luis M. Diaz

RGV MPO Assistant Director

Administrative Agent: Lower Rio Grande Valley Development Council
301 WEST RAILROAD - WESLACO, TX, 78596

RESOLUTION 2022-07

SUBJECT: APPROVAL OF FUNCTIONAL CLASSIFICATION OF RUSSEL ROAD

WHEREAS, the Rio Grande Valley Metropolitan Planning Organization (RGV MPO), is the designated agency for Transportation Planning in the Transportation Management Area; and

WHEREAS, the RGV MPO is required to have a systematic way to gather citizen input on transportation issues; and

WHEREAS, these procedures have been duly discussed and gone through the required public comment period; and

NOW THEREFORE, BE IT RESOLVED, that the Rio Grande Valley Metropolitan Planning Organization Transportation Policy Board agreed by a majority vote to approve the Functional Classification of Russel Road.

APPROVAL OF Functional Classification Resolution Amendment

Entity	Road Name	CSJ	Current Classification	From	To	Length	New Classification
Hidalgo County PCT 4	Russel Road	0921-02-362	Not Classified	FM 2220 (Ware Road)	Rooth Road	1	Urban Minor Collector

PASSED AND APPROVED on this 30th day of March 2022.

The Honorable Eddie Trevino
Cameron County Judge
Chairman of the RGV MPO Policy Board

Andrew A. Canon
RGV MPO Executive Director

Pedro R. Alvarez, P.E.
District Engineer
TxDOT – Pharr District

MPO Support
Letter and
Resolution

Demonstration: Comprehensive FC Change Request Package



COUNTY of HIDALGO

ELLIE TORRES

1051 N. DOOLITTLE RD.
EDINBURG, TEXAS 78542
OFFICE: (956) 383-3112
FAX: (956) 381-5905



COUNTY COMMISSIONER, PCT. NO. 4

February 11, 2022

Mr. Andrew A. Canon
Executive Director
Rio Grande Valley MPO
510 South Pleasantview Dr.
Weslaco, Texas 78596

RE: Russell Road Project
From FM 2220 (Ware Road) to Rooth Road (1.0 mile)
Hidalgo County, Texas
CSJ: 0921-02-362

Dear Mr. Canon:

Hidalgo County Precinct #4 would like to formally request the Functional Classification (FC) of the subject project as a minor collector from the RGVMPMO and subsequently the Federal Highway Administration (FHWA).

Justification

The construction of the Tres Lagos community has created an increase in development within Hidalgo County and the City of McAllen. The community added parks, residences, schools, and commercial areas. The railroad relocation indirectly provided a new corridor through the city. East-west access to the facility requires traffic to stop at FM 2220 (Ware Rd.) and turn either north to access FM 1925 or south to access Russell Road.

The scope of the Russell Road project is to provide a four-lane urban roadway on new location. The project would provide a direct connection to Tres Lagos development, two major commuter roadways (FM 2220 and Rooth Road), and connect existing residential neighborhoods, schools, parks, and commercial developments in the area. The purpose of the project is to improve safety, connectivity, and mobility within the city of McAllen, Edinburg, and Hidalgo County.

The Hidalgo County Precinct #4 has begun developing the preliminary engineering and environmental documents; however, to proceed with project development, the project must be functionally classified. The project is listed in RGVMPMO Transportation Improvement Plan (TIP) in fiscal year (FY) 2024. It is anticipated to be let in 2024 and open to traffic in 2026.

The completion of this segment would connect two major collectors (FM 2220 and Rooth Road). An interlocal agreement is currently under development with Hidalgo County and the City of McAllen.

Hidalgo County Precinct #4 respectfully requests that the Russell Road project be functionally classified as a Minor Collector roadway.

The County has provided the following exhibits to support the FC of the subject roadway:

- Attachment A – Location Map

If you need any additional information or have any questions, please contact me at (956) 383-3112.

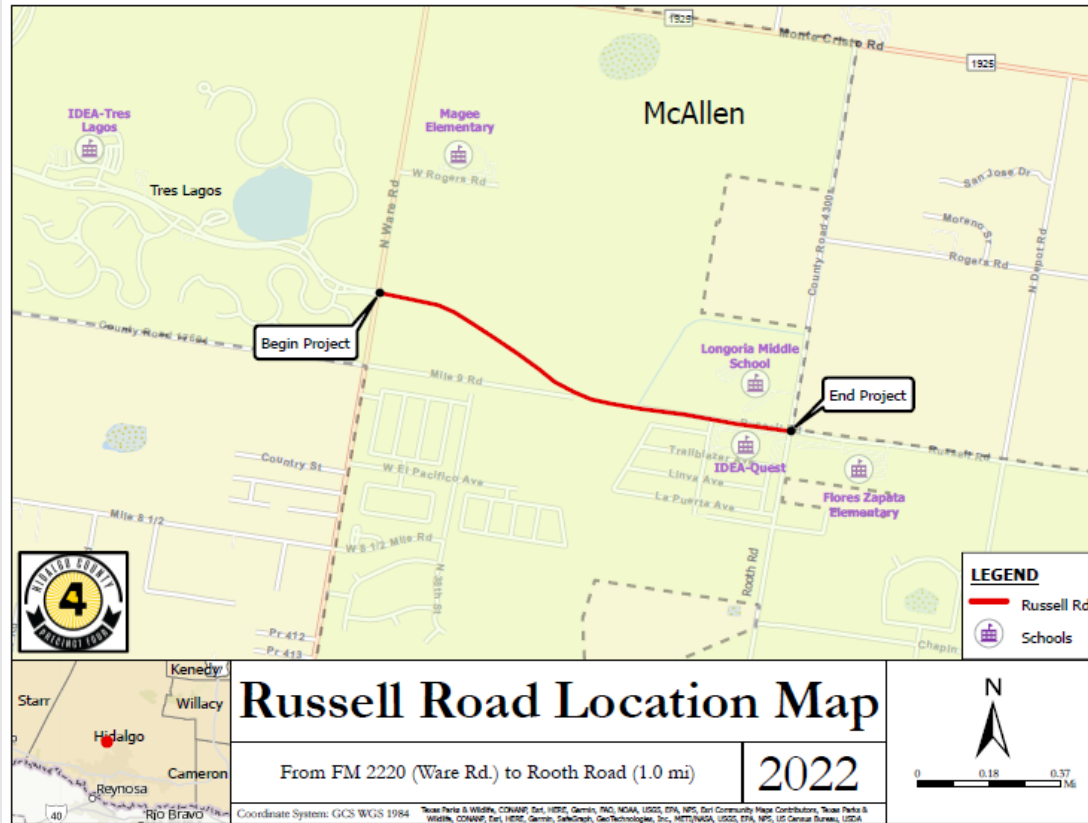
Sincerely,

Commissioner Ellie Torres
Hidalgo County Precinct #4

cc. Eddie Trevino, RGVMPMO Chairman, Cameron County Judge
Pete Alvarez, P.E., TxDOT Pharr District Engineer
Melba Schaus, P.E., TxDOT Planning Director
Roy Rodriguez, P.E., City Manager, City of McAllen
Eduardo Mendoza, P.E., Director of Engineering, City of McAllen

Local Support Letter

Demonstration: Comprehensive FC Change Request Package



County-produced Map

Demonstration: Comprehensive FC Change Request Package



Rooth Rd/29th St at Russell Rd - TMC
 Wed Apr 26, 2023
 Full Length (12 AM-12 AM (+1))
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)
 All Movements
 ID: 851588, Location: 26.333046, -98.230272

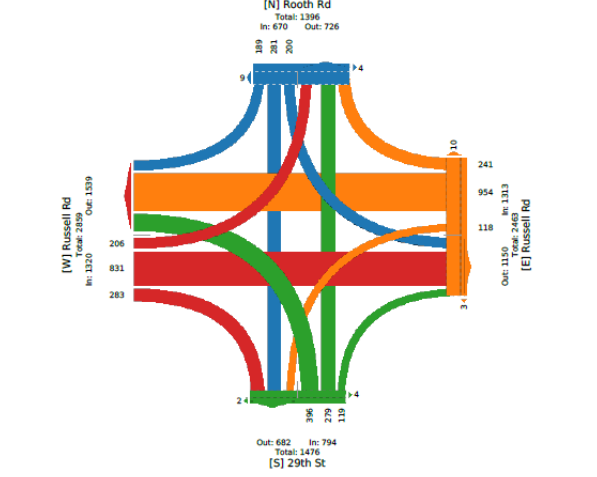
CJ Henck & Associates, LLC
 Provided by: C. J. Henck & Associates Inc.
 5215 Sycamore Ave., Pasadena, TX, 77053, US

Eq. Direction	Rooth Rd Southbound	Rooth Rd Southbound	29th St Southbound	Rooth Rd Southbound	Rooth Rd Southbound	Rooth Rd Southbound	Rooth Rd Southbound	Rooth Rd Southbound	Rooth Rd Southbound																																		
Time	T	R	L	U	App	Perf	T	R	L	U	App	Perf	T	R	L	U	App	Perf	T	R	L	U	App	Perf																			
02:48:38(1206AM)	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eq. Direction	Rooth Rd Northbound	Rooth Rd Northbound	29th St Northbound	Rooth Rd Northbound	Rooth Rd Northbound	Rooth Rd Northbound	Rooth Rd Northbound	Rooth Rd Northbound	Rooth Rd Northbound																																									
Time	T	R	L	U	App	Perf	T	R	L	U	App	Perf	T	R	L	U	App	Perf	T	R	L	U	App	Perf																										
02:50:00(1206AM)	3	7	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Rooth Rd/29th St at Russell Rd - TMC
 Wed Apr 26, 2023
 Full Length (12 AM-12 AM (+1))
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)
 All Movements
 ID: 851588, Location: 26.333046, -98.230272

CJ Henck & Associates, LLC
 Provided by: C. J. Henck & Associates Inc.
 5215 Sycamore Ave., Pasadena, TX, 77053, US



Traffic Data

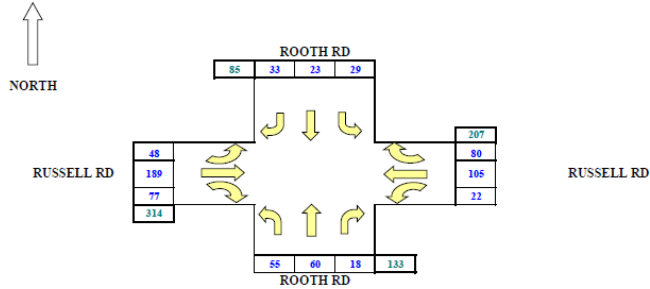
Pedestrians and Bicycles on Crosswalk: L: Left, R: Right, T: Thru, U: U-Turn

Demonstration: Comprehensive FC Change Request Package



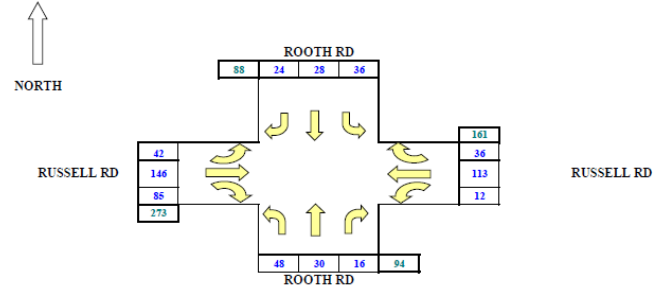
TRAFFIC MOVEMENT COUNTS																	
COUNTY					CITY					INTERSECTION							
HIDALGO, TEXAS					EDNBURG					ROOTH RD AT RUSSELL RD							
DATE:		Wednesday 4/28/2021			WEATHER:			Clear			ROAD CONDITION:			Asphalt Smooth			
TIME STARTS	ROOTH RD NORTHBOUND				ROOTH RD SOUTHBOUND				RUSSELL RD EASTBOUND				RUSSELL RD WESTBOUND				TOTAL
	L	S	R	T1	L	S	R	T2	L	S	R	T3	L	S	R	T4	
7:15 AM	11	16	6		4	7	10		3	18	5		5	29	15		132
7:30 AM	18	23	4		8	1	13		11	57	24		5	29	15		208
7:45 AM	14	12	5		7	6	7		22	73	22		3	31	31		233
8:00 AM	12	9	3		10	9	3		12	41	23		9	16	19		166
TOTAL	55	60	18		29	23	33		48	189	77		22	105	80		

COUNTED BY:



TRAFFIC MOVEMENT COUNTS																	
COUNTY					CITY					INTERSECTION							
HIDALGO, TEXAS					EDNBURG					ROOTH RD AT RUSSELL RD							
DATE:		Wednesday 4/28/2021			WEATHER:			Clear			ROAD CONDITION:			Asphalt Smooth			
TIME STARTS	ROOTH RD NORTHBOUND				ROOTH RD SOUTHBOUND				RUSSELL RD EASTBOUND				RUSSELL RD WESTBOUND				TOTAL
	L	S	R	T1	L	S	R	T2	L	S	R	T3	L	S	R	T4	
3:30 PM	26	11	5		3	0	7		13	42	38		3	47	9		204
3:45 PM	7	7	4		2	2	3		12	42	22		2	22	12		137
4:00 PM	8	5	3						12	8	7		14	42	14		150
4:15 PM	7	7	4						19	18	7		3	20	11		125
TOTAL	48	30	16						36	28	24		42	146	85		

COUNTED BY:



Traffic Data



How do I measure roadway segments?

1. Navigate to the TxDOT [Statewide Planning Map](#).
2. Click the “Search” icon and type “in the desired project location.
3. Click the “Distance Measurement” tool.
4. Click the starting and ending points of the road segments you want to measure.

Measuring Roadway Segments



txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

TxDOT - Statewide Planning Map

MA | EL | QUERY | EVENT | SRD | PLAN | DY

Search:

Base maps

- TxDOT
- TxDOT Light Gray
- TxDOT Dark Gray
- Texas Imagery Service
- Esri Streets
- Open Street Map

Common Overlays

- Clear Overlays
- AADT
- Alt Fuels - Electric
- Bridges
- Control Sections**
- Functional Classification & Urban Areas**
- Hurricane Evacuation Routes
- Live Traffic
- Maintenance Section Boundaries
- Metropolitan Planning Organizations
- National Highway System
- Reference Markers
- Tolls
- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):
Air Quality

Distance measurement

Legend

TxDOT Control Sections

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

TxDOT Urbanized Areas

- LUA
- SUA
- UA

TxDOT Functional Classification

- Interstate
- Principal Arterial - (Other Freeways and Expressways)
- Principal Arterial - Other
- Minor Arterial
- Major Collector

Level: 14, 26.322530, -98.262119

Start to measure by clicking in the map to place your first point

Step 1: Navigate to the TxDOT [Statewide Planning Map](https://www.txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html)

Measuring Roadway Segments



txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

TxDOT - Statewide Planning Map Help About Contact

MAP QUERY EVENT SRD PLAN

Search:

Basemaps

- TxDOT
- TxDOT Light Gray
- TxDOT Dark Gray
- Texas Imagery Service
- Esri Streets
- Open Street Map

Common Overlays

- Clear Overlays
- AAAT
- Alt Fuels - Electric
- Bridges
- Control Sections
- Functional Classification & Urban Areas
- Hurricane Evacuation Routes
- Live Traffic
- Maintenance Section Boundaries
- Metropolitan Planning Organizations
- National Highway System
- Reference Markers
- Tolls
- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):

- Air Quality

Type "McAllen" enter

Find "FM 2220"

Find "Rooth Road"

Step 2: Click the "Search" icon and type in the desired project location

0 600 ft

Level: 15, 26.346330, -98.254485

New measurement

Measuring Roadway Segments



TxDOT - Statewide Planning Map

MAP QUERY EVENT SRD PLAN

Basemaps

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- TxDOT Light Gray
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- Esri Streets
- Open Street Map

Common Overlays

- Clear Overlays
- AADT
- Alt Fuels - Electric
- Bridges
- Control Sections
- Functional Classification & Urban Areas
- Hurricane Evacuation Routes
- Live Traffic
- Maintenance Section Boundaries
- Metropolitan Planning Organizations
- National Highway System
- Reference Markers
- Tolls
- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):

- Air Quality

Level: 15, 26.346330, -98.254485

Click "Distance measurement"

Step 3: Click the "Distance Measurement" tool

New measurement

Measuring Roadway Segments



txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

TxDOT - Statewide Planning Map Help About Contact

MAP QUERY EVENT SRD PLAN

Basemaps

- TxDOT
- TxDOT Light Gray
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Common Overlays

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- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):

- Air Quality

Search: mcallen 1925

Level: 15, 26.346330, -98.254485

0 600 ft

Unit: Miles

Distance: 0.50 mi

New measurement

Step 4: Click the starting and ending points of the road segments you want to measure

Measure the "length of the first segment"

0.50 mi

Measuring Roadway Segments



txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

TxDOT - Statewide Planning Map Help About Contact

MAP QUERY EVENT SRD PLAN

Basemaps

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- TxDOT Light Gray
- TxDOT Dark Gray
- Texas Imagery Service
- Esri Streets
- Open Street Map

Common Overlays

- Clear Overlays
- AAOT
- Alt Fuels - Electric
- Bridges
- Control Sections
- Functional Classification & Urban Areas
- Hurricane Evacuation Routes
- Live Traffic
- Maintenance Section Boundaries
- Metropolitan Planning Organizations
- National Highway System
- Reference Markers
- Tolls
- Top 100 Congested Roadways

Additional Overlays

Select a Layer to Add (Max 5):

- Air Quality

Level: 15, 26.346330, -98.254485

0 600 ft

Step 4: Click the starting and ending points of the road segment you want to measure

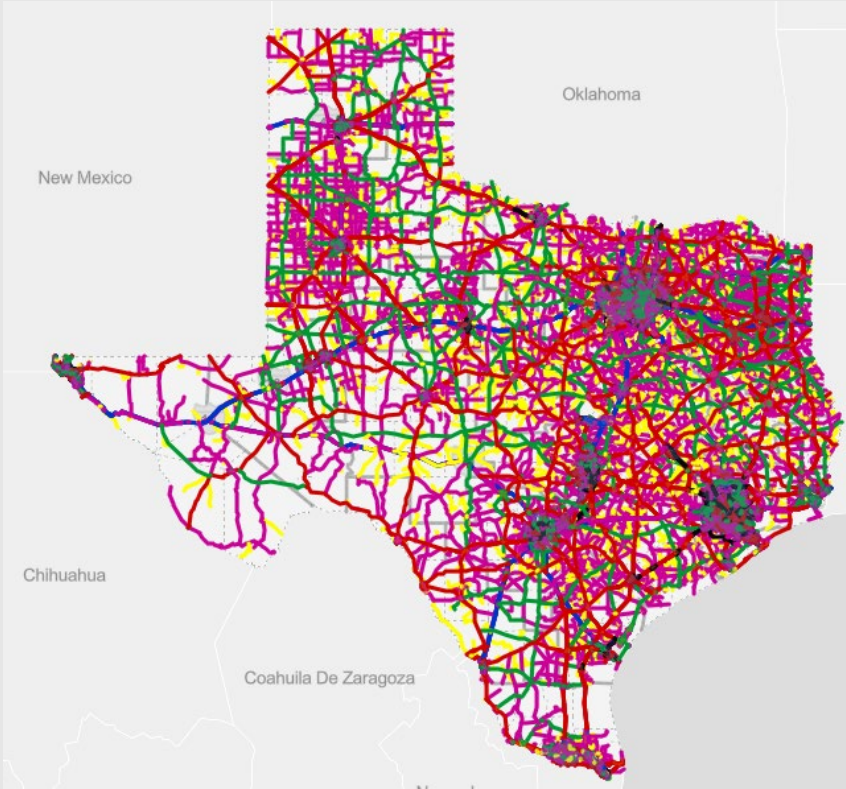
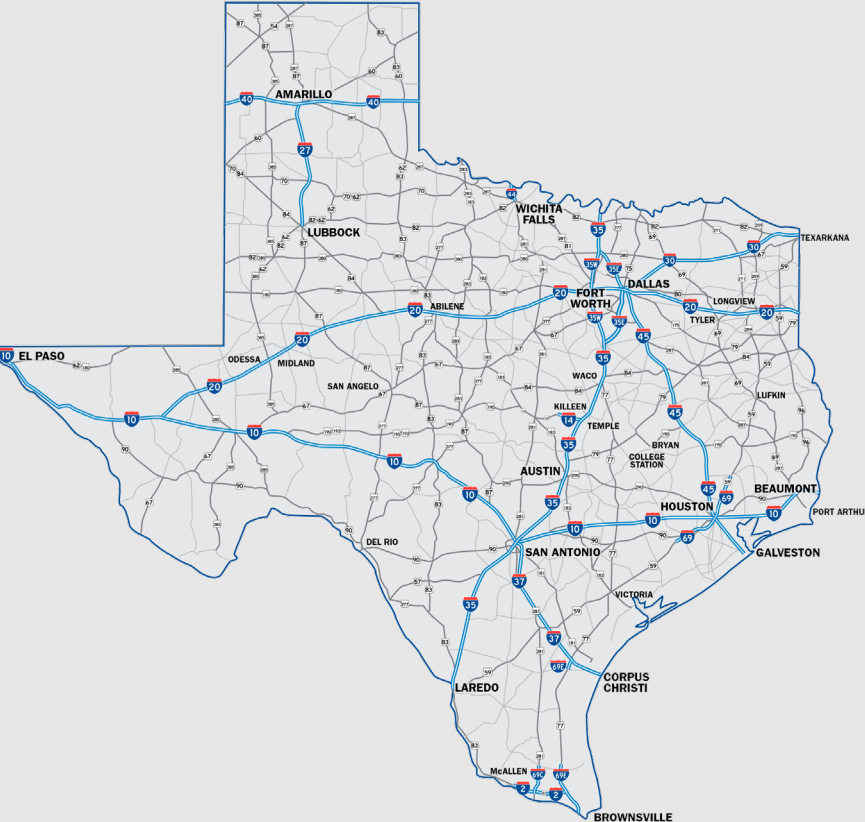
Measure the "length of the second segment" 1.00 mi

Unit: Miles

Distance: 0.50 mi

New measurement

Training Exercises





Functional Classification Request Preparation Exercise for US 380 Segments

INSTRUCTIONS

- Dallas District proposes FC changes for segments of US 380 within MPO boundaries (NCTCOG).
- Prepare a FC Change Request Package using the provided materials.
 1. Fill in the FC Checklist (Form 2373)
 2. Check the Statewide Planning Map
 3. Compile supporting documentation

PROVIDED MATERIALS

- FC SOP
- Blank FC Checklist (Form 2373)
- CSJ Numbers
- CSJ Location Map
- FHWA FC Map
- Land Use Map
- Bicycle Route Map
- TIP Data
- STIP Data
- Traffic Data

DELIVERABLES

1. Completed FC Checklist
2. Compiled document set that supports the request.
3. Brief written summary explaining:
 - a. Challenges
 - b. Important considerations
 - c. Rationale for your final recommendations



Comments or Questions



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HELP #EndTheStreakTX

End the streak of daily deaths on Texas roadways.

[TxDOT.gov](https://www.txdot.gov) (Keyword: #EndTheStreakTX)



#EndTheStreakTX Toolkit

