



DRAFT FY 2022 UNIFIED PLANNING WORK PROGRAM (UPWP) FOR THE DCHC MPO

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**MPO Board Meeting
January 13, 2021**

FY 2022 UPWP OVERVIEW

- Federal regulations mandate that the MPO develop an annual work program known as the Unified Planning Work Program (UPWP).
- The annual program must identify transportation planning tasks to be performed with the use of federal transportation funds during the upcoming fiscal year.
- The UPWP is required to be a detailed technical work program for continuing, cooperative and comprehensive (3C) transportation planning in the DCHC MPO.

FY 2022 UPWP OVERVIEW

- Funding is provided by Federal Highway Administration (FHWA) and Federal Transit Administration (FTA).
- FHWA provides 80% of the UPWP highway funding and requires a 20% local match.
- FTA provides 80% of transit funding. NCDOT provides 10% match (for 5303) and transit agencies provide 10% match.
- FTA provides 80% of 5307 flexed funding and transit agencies provide 20%
- In FY2014, the MPO began cost sharing for the FHWA 20% local match.

IMPORTANCE OF THIS UPWP ...

- Carryout bold goals and targets approved by the MPO, such as carbon neutral by 2050, zero deaths by 2050, disparity and equity engagement.
- Vehicle by which MPO Governance recommendations will be implemented
- Commence planning task associated with the Decennial Census
 - Demographic analyses, functional class, MOU, Boundaries (UZA/MAB), formula/methodology for funding distribution (STBG-DA, 5307, etc.),. Compliance with regulatory requirements resulting from transportation reauthorization.

FY 2022 UPWP

PREAMBLE

- UPWP is the vehicle for implementing core metropolitan planning efforts associated with climate change and resiliency
- Top priority for planning activities envision for FY 2022 will be reducing carbon emissions and increasing climate resilience; as well as reducing vehicle miles traveled (VMT).
- DCHC MPO is committed to minimizing climate change, reducing transportation sector emissions through the implementation of the MTP. These will be accomplished by providing opportunities for greater use of alternative modes of transportation, including public transit, bicycling, and pedestrian movement.
- TDM programs and land use policies that reduce use of single occupant vehicles and promote transportation choices are also important elements of this MPO climate change goals and objectives.

FY 2022 UPWP

DRAFT REPORT ORGANIZATION

- Resolution, Assurance, Self Certification. P 1-5
- Synopsis of FY22 routine/core UPWP activities,
- Federal Requirements & Planning Factors p9-10
- FY22 Emphasis and Special Projects – p11-13
- Summary of Funding Sources p14-15
- Summary of Accomplishments p16-22
- FY22 Proposed New Initiative- p23
- MPO Funding Tables p25-27
- MPO Task Narratives p29-39
- Sub-Recipients Funding Tables and Task Descriptions – p48-106

FY 2022 UPWP

LIST OF FUNDING TASKS

Funding tasks (46 of them) are derived from the *Prospectus* approved by NCDOT and FHWA. Tasks are grouped in following sections:

- Surveillance of Change – (data monitoring, visualization/interactive mapping))
- Long Range Transportation Plan
- Travel Demand Modeling
- Short Range Transit Planning
- Planning Work Program
- Transportation Improvement Program
- Civil Rights/EJ/DBE
- Public Involvement/Engagement
- Incidental Planning/Project Development
- Management and Operations

FY 2022 UPWP

SYNOPSIS OF ACCOMPLISHMENTS

Summary Accomplishments:

- Comprehensive Transportation Plan
- Metropolitan Transportation Plan
- Regional Freight Planning/Oversight
- Multiple Corridor Studies
- SPOT Process/TIP Development
- CMP/TPM/ MRC Annual and State of Region Reports
- ITS Deployment Plan Update
- Web Application and Interactive Maps/Visualization
- Data Development and Maintenance
- State and Regional Coordination
- Routine Planning and UPWP (EJ, Title VI, PIP, etc.)

FY 2022 UPWP

FY 22 CORE EMPHASIS AREAS

UPWP draft contents:

- List of federally mandated planning projects (p 10)
- List of focus areas (p 12) with descriptions including:
 - Triangle Regional Model Enhancement
 - Annual Continuous Travel Behavior Survey
 - Community Viz/land-use/Demographic/SE Data
 - Intelligent Transportation System
 - Data Collection and Management
 - Title VI Planning
 - Freight Planning
 - Response to **Planning Factors**
 - Safety and Security Planning
 - Metropolitan Transportation Plan
 - Climate Change Planning
 - **CENSUS –UZA, functional class, funding**

FY2022 UPWP FUNDING SOURCES

Summary of all funding sources (p 15)

| | Federal | State | Local | Total |
|------------------------------|-------------|----------|-----------|-------------|
| PL/STBG-DA (FHWA) | \$2,062,603 | | \$515,561 | \$2,867,713 |
| FTA 5303 | \$362,440 | \$45,405 | \$45,305 | \$350,000 |
| FTA 5307 | \$118,000 | | \$29,500 | \$147,500 |
| Total | \$2,543,046 | \$45,305 | \$590,456 | \$3,993,083 |

FHWA federal funding includes:

Planning - Section 104(f) federal funding: \$371,121

STBG-DA - Section 133(b)(3)(7) federal funding: \$1,924,049

FY2022 UPWP

Summary of federal funding by agency

| Agency | FHWA | FTA Transit Planning | | Total |
|----------------------|--------------------|----------------------|------------------|--------------------|
| | Planning | 5303 | 5307 | |
| Lead Planning Agency | \$1,771,121 | | | \$1,835,564 |
| Carrboro | \$17,600 | | | \$17,600 |
| Chapel Hill | \$93,200 | \$137,200 | | \$230,400 |
| Chatham County | \$0 | | | \$0 |
| Durham City | \$72,629 | | | \$72,629 |
| Durham County | \$43,043 | | | \$43,004 |
| Hillsborough | \$0 | | | \$0 |
| Orange County | \$0 | | | \$0 |
| TJCOG | \$65,000 | | | \$65,000 |
| GoDurham | | \$142,800 | \$ | \$142,800 |
| GoTriangle | | | \$118,000 | \$ |
| Total | \$2,062,603 | \$362,443 | \$118,000 | \$2,453,064 |

- Summary funding tables (p 24-25) and by task (p 26).
- Detailed funding tables and task descriptions; p 26 for LPA and p46 for sub-recipients.

FY2022 UPWP

LOCAL MATCH COST SHARING

| Agency | Total FY 2022 |
|----------------|------------------|
| Durham City | \$233,781 |
| Durham County | \$40,225 |
| Chapel Hill | \$58,599 |
| Carrboro | \$20,050 |
| Hillsborough | \$6,232 |
| Orange County | \$35,019 |
| Chatham County | \$14,498 |
| GoTriangle | \$29,871 |
| Total | \$438,275 |

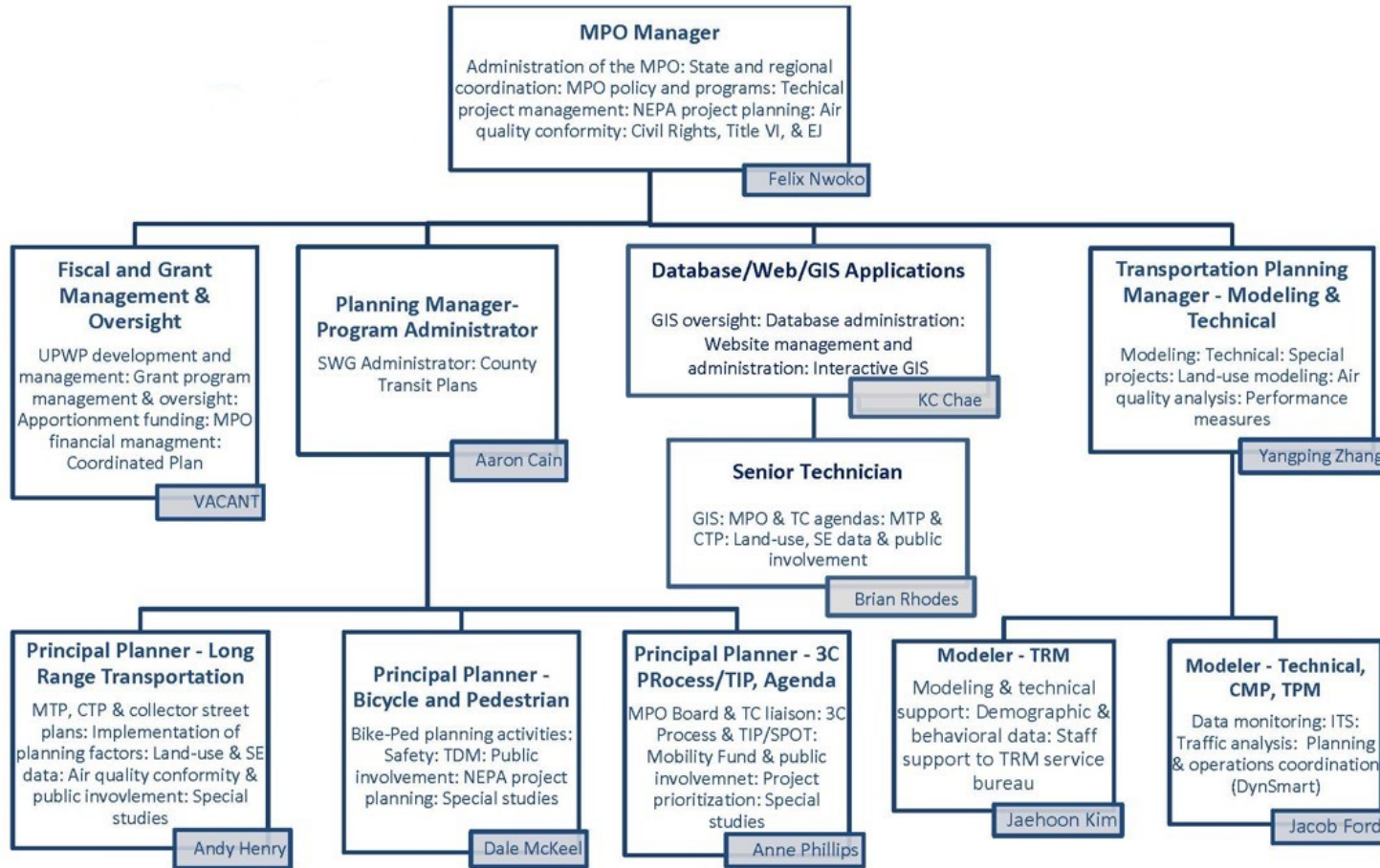
- See p 16 for additional information.
- Approval of UPWP is approval of local match.

| FY-22 UPWP New Initiative | | | | | |
|---------------------------|--|------------------|--------------------|----------|----------------|
| | New Initiative Description | Cost | Federal | Match | Requested by |
| 1 | US 70 Access Study: East End Connector to T. W. Alexander (City of Durham/ DCO). | \$100,000 | \$80,000 | 20,000 | City of Durham |
| 2 | US 70 Multimodal Corridor Study: from NC 119 in Mebane to I/85 in Durham (Orange County request). FY22 | \$150,000 | \$120,000 | 30,000 | Orange County |
| | MPO Governance & Performance Placeholder | | | | |
| 3 | Carbon Emission reduction and monitoring of performance targets. Technical tools & procedures to analyze carbon emissions | \$75,000 | \$60,000 | 15,000 | MPO |
| 4 | MTP resilience assessment and monitoring (in partnership with CAMPO and TJCOG). The FAST Act includes resilience as a Planning Factor the MPO must address (23 USC 134, 23CFR 450). | \$50,000 | \$40,000 | 10,000 | MPO |
| 5 | Robust equitable engagement / disparity; data and analysis tool, including decision making tool for addressing racial injustice in transportation (funding, planning, operational, inclusive growth, etc.) | \$50,000 | \$40,000 | 10,000 | MPO |
| 6 | Technical and mapping tool and data processing for evaluating MTP & other MPO measures (i.e. Vision Zero) | \$50,000 | \$40,000 | 10,000 | MPO |
| | Total | \$475,000 | \$380,000 | \$95,000 | |
| | Available funds (Unobligated STBG) | | \$1,080,526 | | |
| | Balance | | | | |

FY 2022 UPWP LEAD PLANNING AGENCY (LPA) EXPENSES

- Salary and Fringe
 - Full Time (9.5 FTE)
 - Interns PT
- Operating

DCHC MPO ORGANIZATIONAL CHART



Interns; Temporary & Part-time
Support for positions listed above;
Supervised by MPO Manager.

| | | |
|----------|---|---|
| Glossary | CMP Congestion Management Process | NEPA National Environmental Policy Act |
| | CTP Comprehensive Transportation Plan | SE Socio Economic |
| | EJ Environmental Justice | SPOT Strategic Planning Office of Transportation |
| | GIS Geographic Information Systems | TC Technical Committee |
| | ITS Intelligent Transportation System | TDM Transportation Demand Management |
| | LEP Local Enterprise Partnership | TIP Transportation Improvement Program |
| | LPA Lead Planning Agency | TRM Transportation Regional Model |
| | MPO Metropolitan Planning Organization | UPWP Unified Planning Work Program |
| | MTP Metropolitan Transportation Plan | 3C Comprehensive, Cooperative, & Continuing |

FY22 UPWP OPERATING EXPENSES

- Server update and maintenance Cloud hosting
- ESRI annual maintenance
- Cloud hosting and maintenance
- TransCad/Transmoder annual maintenance
- ArcGIS/AGOL
MPO website hosting and maintenance
- ITRE-SB TRM/Rolling Survey
- Granicus/Ilegislate
- HERE network data
- StreetLight
- Remix
- Etc.

FY22 UPWP OPERATING EXPENSES CONT'

- Office supplies, printing and duplication
- Dues and membership
- Subscription
- On-call contractual services
- Training and professional development
- Fixed asset/non-fixed asset computer software and equipment
- Advertisement
- Other software
 - Adobe
 - MSOffice
 - Statistics/programming, etc.

FY 2022 UPWP DEVELOPMENT SCHEDULE

| Dates | DCHC MPO Activity Description |
|----------------------------|---|
| October 2020-December 2020 | Development of draft FY2022 UPWP and coordination with the local agencies. |
| November 2, 2020 | Deadline for funding request and supplemental documents to be submitted to MPO by member agencies. |
| November 18, 2020 | TC reviews draft FY2022 UPWP and recommends Board release for public comment. |
| December 9, 2020 | MPO Board reviews draft of FY2022 UPWP and releases for public comment. |
| December 23, 2020 | TC receives draft of FY2022 UPWP and recommends Board hold public hearing and approve draft at January Board meeting. |
| January 4, 2021 | Draft FY2022 UPWP submitted to NCDOT/PTD |
| January 13, 2021 | MPO Board holds public hearing and approves draft FY2020 UPWP including approval of self-certification process and local match. |
| February 15, 2021 | Deadline for FY2022 UPWP to be submitted to NCDOT and FHWA for approval. NCDOT/PTD will submit UPWP to FTA for approval. |

FY 2022 UPWP COMMITTEE ACTIONS

- TC Recommendation

Recommended the Board release the Draft FY2022 UPWP for public comment.

- Board Action (12/9/20):

Authorize release of the Draft FY2022 UPWP for public comment.