

305 Chestnut Street PO Box 1810 Wilmington, NC 28402 Ph: (910) 341-3258 Fax: (910) 341-7801 www.wmpo.org

# WMPO Bicycle and Pedestrian Modal Subcommittee Meeting Agenda

TO: WMPO Bicycle and Pedestrian Modal Subcommittee Members

FROM: Abby Lorenzo, Senior Transportation Planner

**DATE:** December 31<sup>st</sup>, 2018 **SUBJECT:** January 8<sup>th</sup>, 2019 Meeting

A meeting of the WMPO Bicycle and Pedestrian Modal Subcommittee will take place on Tuesday, January 8<sup>th</sup>, 2019 at 2pm. The meeting will held in the 6th floor conference room located at 320 Chestnut Street, Wilmington.

The following is the agenda for the meeting:

- Call to Order
- Approval of the Agenda
- Approval of minutes from December 4<sup>th</sup>, 2018
- Cape Fear Moving Forward 2045 Bicycle and Pedestrian Criteria Development
  - Action: Review draft criteria and metrics
  - Action: Discuss and revise as a committee
  - Action: Select sample projects and direct staff to score based on determined criteria and metrics
- River to Sea Bike Ride Presentation
  - Action: Assemble subcommittee and determine 1<sup>st</sup> meeting date
- Bike to Work Week Presentation
  - Action: Assemble subcommittee and determine 1<sup>st</sup> meeting date
- Wilmington Bike Share Station Location Presentation
  - Action: Review station locations
- Next Meeting: February 12<sup>th</sup>, 2019 at 2pm
- Adjournment

#### **Attachments:**

- Minutes from the December 4<sup>th</sup>, 2018 meeting
- Bicycle and Pedestrian \*Draft\* Criteria and Metrics

#### **Meeting Minutes**

# Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee

Date: December 4, 2018

#### **Members Present:**

Barnes Sutton, Town of Navassa
Vanessa Lacer, Wave Transit
John Williams, Cape Fear Public Transportation Authority
Nick Cannon, WMPO
Shawn Spencer, New Hanover County
Al Schroetel, Cape Fear Cyclists
Patrick Boykin, Town of Carolina Beach
Duncan McCabe, City of Wilmington
Karin Mills, City of Wilmington
John Sneed, Visitors Bureau

#### **Staff and Guests Present:**

Abby Lorenzo, WMPO Zach Manfredi, WMPO Michael Madsen, WMPO Travis Henley, Pender County Sam Spicer, Cape Fear Cyclists

#### 1. Call to order

a. Shawn Spencer called the meeting to order at 3:01pm

#### 2. Approval Of minutes from November 13, 2018

a. Duncan McCabe made motion to approve the minutes and it was seconded by Patrick Boykin

#### 3. New Business

- a. Subcommittee: Cape Fear Moving Forward 2045
  - i. Project List Development
- Bike Ped Sub Committee additional project submissions. The Bicycle and Pedestrian
  Advisory Committee selected 159 total bike/ped projects from the Cape Fear Moving
  Forward 2045 Survey results. These projects will be evaluated and from which cost
  estimates will be provided. Discussion on the projects proposed, getting cost estimates,
  scoring and ranking projects, and the 20% local match.
- The WMPO staff recommended an additional seven projects to be added to the list of the already selected 159. Motion to accept 159 projects plus the seven additional projects by WMPO staff; motion made by Vanessa Lacer, seconded by John Sneed.
- Abby Lorenzo asked committee for any additional projects: Karin Mills suggested to add
  the project of a path around Market and Kerr intersection. Steve Whitney who was
  unable to be present in person emailed a suggestion that a current roadway project of

connector road from 133 to US17 to include bicycle/pedestrian facilities if funded. The committee decided to add this to the project list.

#### ii. Scoring Criteria

- The committee performed an activity to rank and weight the goals and objectives to determine projects. This will help determine how the committee will prioritize projects and policies.
- Based on questions raised by committee members, draft criteria and metrics will be
  developed by staff and sent to the committee for review and consideration prior to the
  New Year. At the January meeting, members can utilize the draft prepared by staff to
  further develop criteria for scoring projects and then assign weights and points per
  metric
- Subcommittee members were excused and the committee transitioned to standing committee items

#### b. Standing Committee

- o Election of 2019 chairpersons
  - Carol Stein was nominated to be the Bicycle Pedestrian Advisory Committee Chairperson for 2019
    - Motion by Shawn Spencer, second by Al Schroetel
  - Katie Ryan was nominated to be the Bicycle Pedestrian Advisory Committee Vice Chairperson for 2019
    - Motion by Shawn Spencer, second by John Carter
- Nick Cannon shared with the committee a plan for a Did You Know campaign for bicycle and pedestrian safety.
- Discussion that meeting days and times to remain the same in 2019 on Tuesdays at 3:00pm
- Motion to move meeting times for January March to 2:00 for the purposes to complete subcommittee meetings before 5:00
- Approval of 2019 work plan. Motion to accept the 2019 Bike Ped Committee
   Work Plan by Karin Mills, second by Patrick Boykin
- Patrick Boykin motion to approve the committee dates for 2019 as listed, second by John Carter

#### 4. Discussion

#### 5. Next Meeting

i. January 8,2019

#### b. Adjournment

i. \*The above minutes are not a verbatim record of the proceedings. The entire proceedings are recorded on a compact disk as part of this record.



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### **OPTION A: Separate and Weighted Bicycle and Pedestrian Criteria**

#### **Bicycle**

### Goal A: Safety, Education, and Enforcement (25pts)

A3 Build facilities and traffic engineering solutions that prioritize cycling safety (signage, smart traffic lights, etc.) while considering the nature of adjacent traffic and the presence of any conditions hazardous to cycling (bridge gratings, discontinuous bike lanes, etc) (25pts)

Metric: Functional classification of adjacent/intersecting facility (10pts)

Arterial (10pts), Collector (6pts), Local Street (2pts)

Metric: Crash Reported (15pts)

# of crashes >x (15pts), # of crashes <x (10pts), X of crashes =0 (0pts)

**OR** 

K (Fatality) Injury (15pts), A (Disabling) Injury (12pts), B (Evident) Injury (10pts), C (Possible) Injury (8pts), O (None) Injury (5pts)

### Goal B: Multimodal Connectivity (20pts)

B1 Distribute information to increase bike trail and connection awareness through various public and private opportunities. (5pts)

Metric: Proposed project provides access to existing trail (3pts)

Y (8pts), N (0pts)

B2 Improve connections between bicycling & other modes of transportation (public transportation & ferries) (12pts)

Metric: Proposed improvement is located within a reasonable distance of a transit stop (10pts)

500' (10pts), 1,000 (5pts), 1/4 mile (2pts) No service (0pts)

Metric: Proposed improvement located within ¼ mile of a ferry terminal (2pts)

Y (2pts), N (0pts)

Wilmington Urban Area Metropolitan Planning Organization

### Goal C: Built Environment, Land use, and Connectivity (40pts)

C1 Build bicycle facilities and remove barriers in areas with high employment density such as medical campuses and retail centers

Metric: Project located within reasonable distance of critical facility or high employment center (5pts)

0-500' (5pts),  $500' - \frac{1}{4}$  mile (3pts)  $\frac{1}{4}$  mile + (0pts)

C2 Increase bicycling facilities that fall within 1 mile of school campuses

C5 Increase connections to existing bicycling facilities including school campuses

Metric: Facility is within 1 mile of a school (10pts)

Y (10pts) N (0pts)

C3 Increase bicycle connections between parks & residential areas

Metric: Project provides connection or fills a gap providing connection from a recreation area and residential area (5pts)

Y (5pts), N (0pts)

C4 Increase bicycle facility connections to grocery stores and resource centers

Metric: Project located within reasonable distance of grocery store or community resource center (10pts)

0 - 1/4 mile (10pts), 1/4 mile + - 1/2 mile (5pts), 1/2 mile + (0pts)

C6 Increase accommodation of older adults, persons with disabilities, young and low-income populations during the design of bicycle facilities and amenities (ie age-friendly design features)

Metric: Project located in census defined area of older adults, low income, or minority (10pts)

Area identified as having two or more special populations (10pts), one special population (5pts), no special population (0pts)

#### **Goal E: Economic Development (15pts)**

E1 Increase bicycle tourism in our region

Metric: Connects or fills a gap providing a complete connection to POI (to be defined by committee) (5pts)

Y (5pts), N (0pts) OR Tiered score based on identified possible types POI's

E2 Increase access and mobility projects targeting identified areas of low-income and minority residents

Metric: Project located in or connects to low-income area, minority/LEP identified area, or both (10pts)

Both (10pts), low-income OR minority/LEP area (5pts), neither (0pts)

### **Pedestrian**

### Goal A: Safety, Education, and Enforcement (25pts)

A1 Increase the number of crosswalks at existing signals, focusing on high traffic areas

Metric: Project intersects or is an improvement to an intersection on a roadway classified as an Arterial or Collector (10pts)

Arterial (10pts) Collector (5pts)

A5 Prioritize pedestrian projects that occur at, or seek to improve the safety of, identified high risk/high crash locations

Metric: Pedestrian high crash locations (15pts)

X> (15pts), <X> (10pts), >X (5pts), 0 crashes (0pts)

OR

K (Fatality) Injury (15pts), A (Disabling) Injury (13pts), B (Evident) Injury (10pts), C (Possible) Injury (8pts), O (None) Injury (5pts)

### **Goal B: Transportation Choice (20pts)**

B2 Evaluate the installation sidewalks and crosswalks based on residential and employment density

Metric: Project located within area of high household density or employment density (broken down by census block) (8pts)

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x > (8pts), < x > (5pts), > x (3pts) *X = threshold
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\*Bonus 2 pts if project provides connection between high residential and high employment density areas?

B3 Install crosswalks near bus stops

Metric: Project intersects roadway or project is an intersection improvement located within a reasonable distance of a bus stop (8pts)

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500' (8pts), 501'- 1,000' (5pts), 1,001'+ (0pts)
```

\*Bonus 2 pts if crossing connects to existing sidewalk or MUP providing access to stop?

B4 Increase/Improve sidewalk and crosswalk connections between transit facilities and medical services

Metric: Project provides connection/fills gap to provide continuous connection from transit stop to critical care facility (4pts)

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Y (4pts), N (0pts)
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### Goal C: Built Environment, Land use, and Connectivity (40pts)

C1 Increase pedestrian facilities that fall within 1 mile of school campuses

C4 Increase pedestrian facility connections around grocery stores/farmers markets/resource centers

Metric: Project falls within 1' of a school or within a reasonable distance of grocery store or community resource center (16pts total)

Within 1' of a school, Y (8pts), N (0pts)

Within x distance of grocery: 0 – ¼ mile (8pts), ¼ mile + - ½ mile (5pts), ½ mile + (0pts)

\*Bonus 2 points if project within 1' of a school and 1/4' of a grocery store or community resource center.

C2 Increase pedestrian connections between parks & residential areas

C3 Increase pedestrian facilities around libraries, community centers/senior centers, courthouses, local government centers

Metric: Project provides connection or fills a gap providing connection from a recreation area or community or government center (4pts total)

 $0 - \frac{1}{4}$  mile (4pts),  $\frac{1}{4}$  mile + -  $\frac{1}{2}$  mile (2pts),  $\frac{1}{2}$  mile + (0pts)

C5 Increase connections between existing pedestrian facilities

Metric: Project fills a gap in an existing network (8pts)

2,000'+ (8pts), 1,000 – 1,999' (5pts), < 999' (3pts), doesn't fill a gap (0pts)

C10 Build pedestrian facilities that mitigate barriers in existing built environment

Metric: Functional classification of adjacent/intersecting facility OR geographic barrier, i.e. river (12pts)

Arterial and/or geographic barrier (12pts) Collector (6pts)

#### Goal E: Economic Development (15pts)

E6 Include accommodation of major events in facility design

Metric: Project falls on identified event route (7pts)

Y (7pts), N (0pts)

\*Committee to determine which events

E7 Develop downtown pedestrian friendly shopping areas

Metric: Project located in or provides connection to a high density commercial area (8pts)

Y (8pts), N (0pts)

OR

Metric: Project located within a reasonable distance of a commercial POI (8pts)

500' (8pts), 501'- 1,000' (5pts), 1,001'+ (0pts)

#### **OPTION B: Combined Criteria**

### Goal A: Safety, Education, and Enforcement (25pts)

Bicycle A3 Build facilities and traffic engineering solutions that prioritize cycling safety (signage, smart traffic lights, etc.) while considering the nature of adjacent traffic and the presence of any conditions hazardous to cycling (bridge gratings, discontinuous bike lanes, etc)

Pedestrian A1 Increase the number of crosswalks at existing signals, focusing on high traffic areas

Pedestrian A5 Prioritize pedestrian projects that occur at, or seek to improve the safety of, identified high risk/high crash locations

Metric: Functional classification of adjacent/intersecting facility (10pts)

Arterial (10pts), Collector (6pts), Local Street (2pts)

Metric: Bicycle and/or Pedestrian high crash locations (15pts)

X> (15pts), <X> (10pts), >X (5pts), 0 crashes (0pts)

OR

K (Fatality) Injury (15pts), A (Disabling) Injury (13pts), B (Evident) Injury (10pts), C (Possible) Injury (8pts), O (None) Injury (5pts)

\*Award additional points for projects where K or A crashes occurred for both bicycle and pedestrian?

### **Goal B: Multimodal Connectivity/Transportation Choice (20pts)**

Bicycle B2 Improve connections between bicycling & other modes of transportation (public transportation & ferries)

Pedestrian B3 Install crosswalks near bus stops

Metric: Project intersects roadway or project is an intersection improvement located within a reasonable distance of a transit stop (10pts)

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500' (10pts), 501'- 1,000' (5pts), 1,001'+ (0pts)
```

\*Bonus 2 pts if crossing connects to existing bike or ped facility providing access to stop?

\*Bonus 2 pts if project is within 1/4' of a ferry terminal?

Pedestrian B2 Evaluate the installation sidewalks and crosswalks based on residential and employment density

Metric: Project located within area of high household density or employment density (broken down by census block) (10pts)

x > (10pts), < x > (5pts), > x (3pts) \*X = threshold

\*Bonus 2 pts if project provides direct connection between high residential and high employment density areas?

### Goal C: Built Environment, Land use, and Connectivity (40pts)

Bicycle C2 Increase bicycling facilities that fall within 1 mile of school campuses

Pedestrian C1 Increase pedestrian facilities that fall within 1 mile of school campuses

Bicycle C4 Increase bicycle facility connections to grocery stores and resource centers

Pedestrian C4 Increase pedestrian facility connections around grocery stores/farmers markets/resource centers

Metric: Project falls within 1' of a school or within a reasonable distance of grocery store or community resource center (16pts total)

Within 1' of a school, Y (8pts), N (0pts)

Within x distance of grocery: 0 – ¼ mile (8pts), ¼ mile + - ½ mile (5pts), ½ mile + (0pts)

\*Bonus 2 points if project within 1' of a school and ¼' of a grocery store or community resource center?

Pedestrian C10 Build pedestrian facilities that mitigate barriers in existing built environment

Metric: Functional classification of adjacent/intersecting facility OR geographic barrier, i.e. river (12pts)

Arterial and/or geographic barrier (12pts) Collector (6pts)

Bicycle C3 Increase bicycle connections between parks & residential areas

Pedestrian C2 Increase pedestrian connections between parks & residential areas

Pedestrian C3 Increase pedestrian facilities around libraries, community centers/senior centers, courthouses, local government centers

Metric: Project provides connection or fills a gap providing connection from a recreation area or community or government center (4pts total)

 $0 - \frac{1}{4}$  mile (4pts),  $\frac{1}{4}$  mile + -  $\frac{1}{2}$  mile (2pts),  $\frac{1}{2}$  mile + (0pts)

Pedestrian C5 Increase connections between existing pedestrian facilities

Metric: Project fills a gap in an existing network (8pts)

2,000'+ (8pts), 1,000 – 1,999' (5pts), < 999' (3pts), doesn't fill a gap (0pts)

# **Goal E: Economic Development (15pts)**

Bicycle E1 Increase bicycle tourism in our region

Pedestrian E7 Develop downtown pedestrian friendly shopping areas

Metric: Connects or fills a gap providing a complete connection to POI (to be defined by committee) (5pts)

Y (5pts), N (0pts) OR Tiered score based on identified possible types POI's

Bicycle E2 Increase access and mobility projects targeting identified areas of low-income and minority residents

Metric: Project located in or connects to low-income area, minority/LEP identified area, or both (8pts)

Both (8pts), low-income OR minority/LEP area (5pts), neither (0pts)

Bicycle E7 Increase accommodation of major cycling events in facility design

Pedestrian E6 Include accommodation of major events in facility design

Metric: Project falls on identified event route (2pts)

Y (2pts), N (0pts)

\*Committee to determine which events

## **Additional Criteria/Metric Considerations**

\*Note: These additional metrics were brainstormed by staff. There may be additional objective and measurable metrics for these objectives. Committee members are encouraged to share additional ideas with the committee.

# Bicycle:

# Goal A: Safety, Education, and Enforcement

A3 Build facilities and traffic engineering solutions that prioritize cycling safety (signage, smart traffic lights, etc.) while considering the nature of adjacent traffic and the presence of any conditions hazardous to cycling (bridge gratings, discontinuous bike lanes, etc.)

Metric: Bike Suitability Map

Metric: Facility fills a gap in network. Utilize tiered scoring based on size of gap.

# **Goal B: Multimodal Connectivity**

B2 Improve connections between bicycling & other modes of transportation (public transportation & ferries)

Metric: Bike rack located at transit stop

### Goal C: Built Environment, Land use, and Connectivity

C8 Build Bicycle facilities that mitigate barriers in existing built environment

Metric: Functional classification of adjacent/intersecting facility. Utilized tiered scoring based on FC of intersecting street facility. Consider geographical barrier such as river or other natural feature as a bonus points.

C9 Build trail connections that fill gaps in the roadway system that will allow for an uninterrupted bicycle route

Metric: Facility fills a gap in network. Utilize tiered scoring based on size of gap.

Metric: Facility is identified in another community adopted plan. (Y or N)

C10 Create off-road and recreational trails

Metric: Project is portion of or completes an identified trail. (Y or N)

#### Goal D: Health

D2 Designate signed exercise loops for bicycling

Metric: Project completes a loop. (Y or N)

Metric: Project located in a bike path/trail 'desert' (project is x distance from another facility). Utilize tiered scoring.

### **Goal E: Economic Development**

E1 Increase bicycle tourism in our region

Metric: Project is portion of or completes an identified trail. (Y or N)

\*Committee to define what might attract bicycle tourism

E7 Increase accommodation of major cycling events in facility design

Metric: Project falls on identified event route. (Y or N)

\*Committee to determine which events

#### Pedestrian:

### Goal A: Safety, Education, and Enforcement

A1 Increase the number of crosswalks at existing signals, focusing on high traffic areas Metric: Intersection AADT's. Utilize tiered scoring where higher AADT receives higher point assignment.

### **Goal B: Transportation Choice**

B1 Improve sidewalk and crosswalk conditions depending on the nature of adjacent traffic Metric: Functional classification of parallel or intersecting roadway facility. Tiered scoring with Arterial receiving highest points, Local Street lowest.

### Goal C: Built Environment, Land use, and Connectivity

C6 Increase direct connections to public transportation and paths of travel from bus stops to surrounding destinations

Metric: Project provides connection/fills gap to provide continuous connection from transit stop to committee defined destination (Y or N)

C9 Create trail links that fill gaps between low traffic roadways to allow for pedestrian use while continuing to preserve the low traffic status of those roadways.

Metric: Project provides off road pedestrian connection. (Y or N)

#### Goal D: Health

D2 Designate exercise loops for walking

Metric: Project completes a loop. (Y or N)

Metric: Project located in a bike path/trail 'desert' (project is x distance from another facility). Utilize tiered scoring.

# **Goal E: Economic Development**

E7 Develop downtown pedestrian friendly shopping areas