

Scope of Work
Fitzgerald & Halliday, Inc.
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Statewide Bicycle and Pedestrian Plan Update and Bike Map Update
Connecticut Department of Transportation

The Connecticut Department of Transportation (ConnDOT) has identified the need to update Connecticut's Statewide Bicycle and Pedestrian Plan and Map based on evaluation of the existing plan and map and Federal and State guidelines and policy. This scope of services describes the work that will be completed to update the Statewide Bicycle and Pedestrian Plan and Map.

Task 1 - Study Management

The work stipulated in the Scope of Services will be completed within 18 months, commencing from the date identified by the State in a formal Notice to Proceed.

Task 1.1 - ConnDOT Coordination

This study will be conducted under the direction of the ConnDOT Office of Intermodal Planning. ConnDOT's Study Manager will review and approve all products prior to distribution. The consultant will coordinate directly with the Study Manager in all contacts with ConnDOT unless authorized by the Study Manager.

Task 1.2 - Monthly Study Meetings

The consultant will meet monthly (18 meetings) with ConnDOT to assess study progress.

Task 1.3 - Monthly Progress Reports

The consultant shall prepare and submit monthly progress reports addressing each task (18 reports). Progress reports will accompany monthly invoices.

Task 2 - Public Outreach

The outreach effort is intended to provide interested parties with a means to communicate with ConnDOT and the consultant team and to become aware of study developments. Additionally, this outreach effort will provide the opportunity to highlight the bicycle and pedestrian planning efforts being undertaken by ConnDOT. Outreach for the study will be accomplished through the utilization of several mechanisms: including but not limited to existing groups, creation of a study-specific Steering Committee (SC), and through public meetings, focused stakeholder meetings, inter-agency meetings, newsletters, and a study website. These provide multiple and varied opportunities for the consultant team to integrate key stakeholders, related state and regional agencies, and the general public into the Plan update process. All efforts will be made to schedule meeting at appropriate times and locations for the targeted audience.

Task 2.1 - Steering Committee

The consultant will advise ConnDOT in forming a Steering Committee (SC), which will be a sub-committee of the existing statewide Bicycle/Pedestrian Committee, to guide preparation of the Plan and Map. SC members will assist in the study effort by providing expertise on local and regional issues, deficiencies in the statewide network, and assessing improvement and enhancement alternatives. It is the consultant team's goal to engage the SC to the fullest extent. It is estimated that six (6) Steering Committee meetings will be held. It is assumed that each meeting will be two (2) hours long and attended by two (2) consultant staff members. Meetings may be combined as the opportunity allows. Possible topics of SC meetings include:

- Visioning and goal setting
- Existing conditions
- Regional priorities and status of regional plans
- Connecticut Bicycle Map update
- Benchmarking
- Policy

For each SC meeting the Consultant shall:

Task 2.1.1 - Develop and coordinate meeting presentations and materials, and distribute materials. This will include: meeting agenda, reports, slides, illustrations, graphics, designs, and maps (meeting materials shall be distributed to the SC at least two weeks prior to the scheduled meeting).

Task 2.1.2 - Meet with ConnDOT prior to each SC meeting to review and coordinate presentation materials and the overall program of the SC meeting.

Task 2.1.3 - Moderate each SC meeting, including making presentations, facilitating discussions, and responding to questions.

Task 2.1.4 - Record and prepare draft and final meeting summary notes, and distribute meeting summary to SC members and post meeting summary to website.

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.
- ConnDOT will arrange for and provide appropriate meeting locations for the SC meetings.

Task 2.2 - Public Outreach Meetings

The consultant will conduct a total of eight (8) public outreach meetings. These meetings will consist of four identical outreach meetings held in various locations at two key points during the Plan development. The public outreach meetings will be held at geographically diverse locations in order to maximize exposure and the public's ability to attend. The format of the public outreach meetings will be "Open House", with a brief presentation and open discussion, and an opportunity for public comment. Up to three consultant staff members (including subconsultants) will attend each two-hour meeting.

For each public outreach meeting, the consultant will:

Task 2.2.1 - Develop and coordinate meeting presentations (2 presentations total) and materials, and distribute materials. All materials shall be reviewed by ConnDOT prior to publication. This will include: meeting agenda, reports, slides, illustrations, graphics, designs, and maps (meeting materials shall be distributed to the SC at least two weeks prior to the scheduled meeting)

Task 2.2.2 - Handle logistics for each meeting (arranging for meeting location, equipment, etc).

Task 2.2.3 - Meet with ConnDOT prior to each round of public meetings to review any presentation material and the overall program of the public meeting.

Task 2.2.4 - Moderate each meeting, including making presentations, facilitating discussions, responding to questions; and record meeting notes.

Task 2.2.5 - Prepare draft and final meeting summary notes, and distribute meeting summary to SC members; post meeting summary to website..

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.

Task 2.3 - Other Outreach Meetings

The consultant will conduct one (1) meeting with each regional planning agency in the state (15 meetings total). It is assumed the meeting will be two (2) hours in length and attended by two (2) consultant staff members. The purpose of these individual meetings is to coordinate the statewide planning effort with the regional planning efforts. Meetings may be combined as the opportunity allows.

In addition, the consultant will conduct ten (10) supplemental stakeholder group and outreach meetings. These meetings will be held with interest groups such as the Connecticut Bicycle Coalition, the Rails to Trails Conservancy, the East Coast Greenway Alliance, Shoreline Greenway Trail Committee, Central CT Bike Alliance, Farmington Valley Trails Council, Farmington Canal Rail to Trail Association, and the Connecticut Greenways Council (DEP). It is assumed that each meeting will be two (2) hours in length attended by two (2) consultant staff members.

For the regional planning agency and supplemental stakeholder group meetings, the consultant will:

Task 2.3.1 - Prepare and coordinate meeting materials, including a standardized agenda, reports, slides, illustrations, graphics, designs, and maps, and handle logistics for each meeting (arranging for meeting location, etc).

Task 2.3.2 - Moderate each meeting, including making presentations, facilitating discussions, and responding to questions and record meeting notes.

Task 2.3.3 - Prepare draft and final meeting summary; distribute meeting summary to SC members; post meeting summary to website.

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.

Task 2.4 - Intra-agency Meetings (ConnDOT "In-reach")

The consultant will conduct up to ten (10) meetings with staff from different offices of ConnDOT, including district offices. The purpose of these individual meetings is to coordinate the Plan development with other efforts and guidelines in ConnDOT and to ensure a broad ConnDOT perspective is understood during Plan development. Up to two consultant staff members will attend each one-hour meeting.

For each intra-agency meeting, the consultant will:

Task 2.4.1 - Prepare and coordinate meeting materials, including an agenda, reports, slides, illustrations, graphics, designs, and maps, and handle logistics for each meeting (arranging for meeting location, etc).

Task 2.4.2 - Moderate each meeting, including making presentations, facilitating discussions, and responding to questions and record meeting notes.

Task 2.4.3 - Prepare draft and final meeting summary.

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.

Task 2.5 - Inter-Agency Coordination

The consultant will coordinate and attend up to ten (10) meetings with other Connecticut state agencies and organizations such as Connecticut Department of Environmental Protection, Connecticut Department of

Public Health, the Transportation Strategy Board, the University of Connecticut, Connecticut Office of Policy and Management, etc. The purpose of these meetings is to obtain current involvement, management, planning and/or funding opportunities and programs within related state agencies and organizations. These meetings will also provide the opportunity to foster partnerships on bicycle and pedestrian planning activities throughout Connecticut. In addition, they will assist the Consultant in understanding the relevance of bike and pedestrian planning in the state, outside of the Department of Transportation. Up to two (2) consultant staff members will attend each 2-hour meeting.

For each meeting the consultant will:

Task 2.5.1 - Prepare and coordinate meeting materials, including an agenda, reports, slides, illustrations, graphics, designs, and maps, and handle logistics for each meeting (arranging for meeting location, etc)..

Task 2.5.2 - Moderate each meeting, including making presentations, facilitating discussions, and responding to questions and record meeting notes.

Task 2.5.3 - Prepare draft and final meeting summary.

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.

Task 2.6 - Study Newsletters

The consultant will conduct additional outreach in the form of four (4) printed newsletters, each of 4 pages in length. It is anticipated that newsletters will coincide with 1) the initiation/announcement of the study, 2) prior to the first round of public meetings, 3) at the completion of the draft Plan, and 4) prior to the completion of Plan.

Specifically, the consultant will:

Task 2.6.1 - Prepare a draft and final newsletter, print 200 copies of each newsletter and mail printed copy to those who request it or to those that do not provide email addresses, email newsletters to the email distribution list; and post the newsletter to the study website.

Comment [A1]: [Allow 2 hours]

Task 2.6.2 - Maintain and update the e-mail distribution list.

Assumptions:

- All materials shall be reviewed by ConnDOT prior to publication.
- ConnDOT will provide initial electronic mailing list for newsletter distribution. The consultant will update and maintain the mailing list thereafter.

Task 2.7 - Study Website

The consultant will develop an interactive website for the general public as well as a password protected page for the SC and study team to utilize as an intranet for file exchange and review of draft documents. The website will be designed to be graphically rich, while adhering to all ADA, Section 508 Website Accessibility Standards, and CT Universal Web site Accessibility Policy for State Web Sites – Version 4.0. The website will be hosted on a private, third party server to allow quick and efficient updating and maintenance. Specifically, the consultant will:

Task 2.7.1 - Develop web pages with information on the following topics, and update the website monthly, for the duration of the study:

- Study Overview
- Study Schedule
- Study News
- Meetings
- Study Documents
- Contact Information (including a comment submittal form)
- Study Maps
- Resources/Links

Task 2.7.2 - Create a link to the ConnDOT website and coordinate with ConnDOT's webmaster to ensure study website is noticed on ConnDOT's website.

Task 2.7.3 - Make web page files, at the end of the study, available to ConnDOT in a format suitable for uploading onto the ConnDOT website.

Task 2.7.4 - Develop and maintain a database in (Microsoft Access) of all comments received via the study website and study email

address; track all comments and responses within the database; develop responses to comments for ConnDOT...

Task 3 - Data Collection

Task 3.1 - Plan and Policy Data Collection

The consultant will compile, review, and synthesize available plans and data from the regional planning agencies (including municipalities), interest groups, other state agencies, and ConnDOT. Existing and planned bicycle and pedestrian infrastructure and improvements will be reviewed and summarized for each plan. Consistencies and inconsistencies among plans will be noted. Related to data collection, the consultant will:

Task 3.1.1 - Review and evaluate statewide bicycle and pedestrian crash data. Crash data will be provided by ConnDOT. The consultant will summarize crash data on both a state and regional basis. The consultant will also obtain crash data summary statistics on a national basis for comparison with Connecticut data. Inconsistencies and shortcomings of the crash data will be noted. Additional information collected as part of the public outreach process will also be noted. The consultant will identify those locations that may warrant further consideration.

Review planning documents and regulations for the entire state as well as for each of the regional planning agencies that may include relevant bicycle and pedestrian travel information. The Strategic Highway Safety Plan will be reviewed and referenced in this analysis.

Task 3.1.2 - Review regional and special interest planning documents and resources that may include relevant bicycle and pedestrian travel information, including the East Coast Greenway Map, State Recreational Trails Plan, and Farmington Valley Trail Council map.

Task 3.1.3 - Provide a written summary of the existing planning documents related to bicycle and pedestrian planning researched in 3.1.2 and 3.1.3. Include areas where plans overlap as well as have inconsistencies.

Task 3.1.4 - Examine Federal and State (ConnDOT, Department of Environmental Protection, Office of Policy and Management, etc.) policies and funding that encourage or impede bicycling and walking. Review such policies' effect on ongoing initiatives, such as Safe Routes to School, UConn training, and East Coast Greenway.

Task 3.1.5 - Provide a written summary of the state of bicycle planning in Connecticut, including its strengths, weaknesses, and opportunities for improvement.

Task 3.1.6 - Obtain from ConnDOT, regional planning agencies, and ConnDEP existing GIS-based bicycle and pedestrian network data including existing and proposed networks. The consultant will develop a GIS base map of existing data from each network and regional GIS maps of existing and proposed on-street and strategic off-street bicycle and pedestrian facilities as provided by ConnDOT and the regional planning agencies. The consultant will not develop any new network coverage or digitize paper maps of existing or proposed networks.

GIS data obtained and developed during this Plan will be standardized in NAD 83 coordinate system CT State Plane and will be provided to ConnDOT as an ArcGIS Personal Geodatabase at the completion of the Plan update (latest version).

Assumptions:

- The consultant will not collect or conduct a sidewalk inventory.

Task 3.2 - Benchmarking Review

The consultant will undertake a benchmarking analysis of comparable states to assess bicycle and pedestrian planning efforts of other states. The benchmarking process will examine bicycle and pedestrian plans, policies, maps, funding mechanisms, and design guidelines in four (4) neighboring states and three (3) state-of-the-art states. This task will include the following effort:

Task 3.2.1 - The consultant will provide ConnDOT and the SC a suggested list of benchmarking state candidates. The recommendations will be based on potential similarities and differences with ConnDOT and the State of Connecticut.

Task 3.2.2 - The consultant will review benchmark state's bicycle and pedestrian planning efforts.

Task 3.2.3 - The consultant will contact, via a phone interview, the appropriate agency's responsible party for state bicycle and pedestrian planning efforts. For each phone interview the consultant will:

Task 3.2.3.1 - Develop a draft questionnaire, submit draft questionnaire for review and approval by ConnDOT and SC and revise and finalize the draft questionnaire.

Task 3.2.3.2 - Coordinate each phone interview and provide ConnDOT the opportunity to participate in the interview via a three-way or conference call; record and draft interview notes for review and approval by ConnDOT; develop interview summary for each state..

Task 3.2.3.3 - Develop a benchmarking technical memorandum for ConnDOT, provide ConnDOT and the SC draft benchmarking memorandum for review and revise and finalize benchmarking memorandum..

Task 3.3 - Funding Opportunities

The consultant will examine various funding alternatives for bicycle and pedestrian improvements. One goal of this research is to explore ways to maximize the transportation dollars spent on bicycle and pedestrian projects. Another goal is to discover methods to control costs. The consultant will:

Task 3.3.1 - Review available Federal and State funding opportunities.

Task 3.3.2 - Review types and proportions of funding used by other states for their bicycle and pedestrian improvements.

Task 3.3.3 - Review the possibilities for inter-agency partnership funding.

Task 3.3.4 - Review the possibilities for private or private/public partnership funding.

Task 3.3.5 - Provide a written summary of the funding opportunities for bicycle and pedestrian planning.

Task 4 - Vision and Goals Development

Task 4.1 - Vision and Goals Development

The consultant will develop a vision and goals statement for the Statewide Bicycle and Pedestrian Plan. Specifically, the consultant will:

Task 4.1.1 - Review current State Bicycle and Pedestrian Plan's and Connecticut Strategic Highway Safety Plan vision and goals.

Task 4.1.2 - Identify a preliminary vision and set of goals based on the information gathered during data collection. Specifically, the proposed vision and goals will reflect research of the existing Plan as well as in neighboring states' plans.

Task 4.1.3 - Present the draft vision and goals to ConnDOT and Steering Committee (Reference Task 2.1) and revise based on comments.

Task 4.1.4 - Present the draft vision and goals to the public, regional planning agencies, and other stakeholder groups at the outreach sessions (Reference Tasks 2.2 & 2.3).

Task 4.1.5 - Revise the draft vision and goals based upon input from the public meetings and guidance from ConnDOT and the SC.

Task 4.1.6 - Present the revised vision and goals to the SC, who will provide input and suggest modifications (Reference Task 2.1).

Task 4.1.7 - Finalize the draft vision and goals based upon input.

Task 5 - Policy Development

Task 5.1 - ConnDOT Policy Development

The consultant will develop recommended policies for the Statewide Bicycle and Pedestrian Plan. The purpose of these policies is to enable the State to move toward realization of the vision and goals. Specifically, the consultant will:

Task 5.1.1 - Identify a preliminary set of policies based on the data collection outlined in Task 3.1. Specifically, the proposed policies will reflect applicable and favorable national policies as well as policies implemented in key benchmark states researched.

Task 5.1.2 - Present the draft policies with the ConnDOT and the SC (Reference Task 2.1) and revise the draft policies based upon input from the ConnDOT and the SC.

Task 5.1.3 - Present the revised policies at the intra-agency meetings for consistency with policies in place and revise the policies as needed to finalize ConnDOT policy recommendations. (Reference Task 2.4).

Task 5.2 - Related State Agency Policy Development

The consultant will work with ConnDOT and the Steering Committee to identify suggested policy updates and/or modifications to other State of Connecticut agencies which could serve to foster and enhance ConnDOT's bicycle and pedestrian planning efforts. Specifically, the consultant will:

Task 5.2.1 - Identify a preliminary set of policies based on the interagency meetings completed and based on findings from the benchmarking task. Specifically, the proposed recommended policies will reflect national policies as well as policies implemented in key states researched.

Task 5.2.2 - Present the draft recommended policies to the ConnDOT and the SC (Reference Task 2.1) and revise the draft policies based upon input from the ConnDOT and the SC..

Task 5.2.3 - Present the recommended policies to responsible agency (Reference Task 2.5).

Task 6 - Bicycle and Pedestrian Benefit Analysis

This task will present an assessment and overview of the benefits to bicycle and pedestrian planning projects and initiatives in Connecticut. The task will seek to quantify potential benefits to the State as a result of the increase in bicycle and pedestrian activities. While this analysis is not

intended to change users' habits, it can present a cost/benefit analysis for developing policies and programs to encourage and increase in bicycle and pedestrian activities.

Task 6.1 - Develop Demand and Benefits Model

Task 6.1.1 - Develop a demand and benefits model to quantify the environmental, transportation, recreation, and economics benefits of increased non-motorized travel for the State of Connecticut. This task will analyze existing bicycle and pedestrian statistics including mode split and mode of commuting data from the U.S. Census.

Task 6.1.2 - Present this information to ConnDOT and the SC (Reference Task 2.1).

Task 7 - Facility Design Guidelines

The consultant will collect and summarize current Federal and State design guidelines for bicycle and pedestrian projects as a section within the Plan. Additionally, a list of existing technical design documents will be included. This task will seek to highlight both standard guidelines and emerging "state of the art" practices at the Federal and State level and may also include design guidelines obtained during the benchmarking task. The design guidelines will include brief textual descriptions of design standards and also specific regulations/requirements and related design schematics.

Design guidelines to be reviewed and summarized include:

- Current ConnDOT state regulations
 - Sidewalk policy and design guidelines
 - On-road bicycle facility design guidelines
 - Off-road bicycle facility design guidelines
 - State signage policy and guidelines
- FHWA Provision Guidelines
- AASHTO Design Guidelines
- Innovative Design Guidelines identified within the benchmarking study
- Other relevant design guidelines as appropriate.

Task 8 - Statewide Bicycle and Pedestrian Plan Update

Task 8.1 - Plan Development

The consultant will develop the final product of the study and it will incorporate a final and consistent set of findings and recommendations based upon the above tasks. For the Plan development, the consultant will:

Task 8.1.1 - Establish criteria for statewide significance for multiuse paths.

Task 8.1.2 - Inventory existing system of multiuse paths and identify achievable statewide system of multiuse paths of statewide significance. This system will be consistent with regional plans as well as the Statewide Recreational Trails Plan.

Task 8.1.3 - Identify key corridors/areas that could benefit from bicycle and pedestrian improvements.

Task 8.1.4 - Identify and prioritize gaps, or missing links, in the statewide system of multiuse paths.

Task 8.1.5 - Identify recommended policies that complement the vision and goals of the state with respect to bicycling and pedestrian activity and mobility.

Task 8.1.6 - Develop a best practices toolbox, applicable to Connecticut, of non-infrastructure programs that can promote bicycle and pedestrian safety.

Task 8.1.7 - Identify funding opportunities to advance the identified needs.

Task 8.2 - Develop Draft Plan

The consultant will prepare and submit a draft Plan for review by ConnDOT and key stakeholders. Following review, the consultant will incorporate comments received.

The proposed format of the plan is an 8 ½ inch by 11 inch graphically rich product that will include the following sections:

- Executive summary
- Vision and goals statement

- Policies
- Overview of public outreach effort
- Existing condition review of ConnDOT and regional planning agencies
- General description and maps of existing and programmed bicycle networks (including multi-use trails) for each region
- Funding review
- Benefit analysis
- Design guidelines
- Encouragement, education and enforcement programs
- Proposed programs to meet identified needs
- Maps of regional networks including identification of missing linkages of importance based on the findings of this study
- Findings / recommendations

Deliverables:

- Fifty (50) hard black and white copies of the Draft Regional Bicycle and Pedestrian Plan, including all GIS based bicycle maps. An Adobe Acrobat PDF version of the Draft Plan will be available on web site as well.

Assumptions:

- One round of review / comment on Draft Plan.
- The consultant will distribute the Draft Plan to the Regional Planning Agencies.

Task 8.3 - Prepare Final Plan

A Final Statewide Bicycle and Pedestrian Plan, including an Executive Summary, will be prepared that addresses comments on the Draft Statewide Bicycle and Pedestrian Plan.

Deliverables:

- Fifty (50) hard color copies of the Final Regional Bicycle and Pedestrian Plan including an Executive Summary.
- A CD copy of the Final Statewide Bicycle and Pedestrian Plan document.
- The Plan will be posted on study web site as an Adobe Acrobat PDF.

Assumptions:

- Additional printing of the Final Statewide Bicycle and Pedestrian Plan is not included. ConnDOT will be responsible for any printing beyond the first 50 copies.
- ConnDOT will be responsible for distribution of the product.

Task 9 - Statewide Bicycle Map

Task 9.1 - Map Development

The consultant will develop a preliminary draft bicycle map based on the existing Connecticut Statewide Bicycle Map. This map will be for identifying statewide bicycle networks and will NOT include pedestrian networks (i.e. a sidewalk inventory will not be performed). The map is intended to be useful to bicyclists planning trips in the state of CT. The map may identify facilities based on factors such as connections to and from major trip generators and attractors, impediments, condition of travel, and input from key stakeholders. The network will consist of key roadways that provide regional connections, with a primary focus being on state owned roadways and related facilities. These facilities should be the most convenient, safe, and bicycle and pedestrian-friendly linkages in the region and across the state. This regional network of designated facilities can then be used by municipalities as key links in local bicycle networks. The map may note where existing recreation trails and closed-loop bicycle trails exist but a thorough documentation of all off-road trails will not be included on this map.

Components of the map may include:

- Existing on-road bicycle routes, and multiuse trails which serve as local or regional transportation network connectors
- The map will identify recommended routes, cross state routes, regional loop routes and also identified roads not recommended for bicycling
- Parking access and suitable park and ride locations
- The locations of recreational trail, i.e. closed loop, or unsurfaced.
- East Coast Greenway (this would be included in the multiuse trail subset)
- Recreational areas / open space / state parks & forests / municipal parks & forests (MCN)
- Transit stations – local bus terminals, commuter rail and passenger ferry terminals

- State owned or regionally significant recreational areas and open space
- Key state and regionally significant cultural and historical points of interest
- Municipal boundaries
- Urban area insets
- Water bodies
- Bridges and other facilities with bicycle accommodations
- Tourism destinations of general, historical and/or cultural interest to cyclists.
- State laws, safety information, important and emergency phone numbers, and resources.

The map will be 28" x 40" and will include insets of the more detailed bicycle route areas as necessary. The layers and bicycle route classifications included in the map will be decided upon based on input from the SC.

Assumptions:

Base mapping will be provided by ConnDOT, CT DEP and regional planning agencies in ESRI ArcGIS 9.2 format.

Task 9.1.1 - Coordinate with SC to determine the bicycle classifications and all layers to be included in the map. This will occur through one or more of the scheduled SC meetings.

Task 9.1.2 - Catalogue and Inventory GIS Data.

Task 9.1.3 - Develop missing GIS data.

Task 9.1.4 - Identify recommended and non-recommended bicycle routes. These routes will be identified based on factors such as roadway classification, roadway speed limit, average daily traffic (ADT), shoulder widths, and on-street parking.

Task 9.1.5 - Develop a format for the draft bicycle map.

Task 9.1.6 - Develop draft bicycle map.

Task 9.1.7 - Present draft bicycle and pedestrian map to a sub-group of the SC specifically interested in the map product (Reference Task 2.1).

Task 9.1.8 - Finalize map layout and submit to ConnDOT and SC for review.

Task 9.1.9 - Provide ConnDOT with 1,000 folded copies of Statewide Bicycle Map and provide ConnDOT with one camera ready digital version of the map on CD-ROM.

Task 9.1.10 - Develop Adobe Acrobat PDF version of the Bicycle Map suitable for posting and downloading on study's website and ConnDOT's website.

Task 9.1.11 - Optional Task – Examine Bicycle Level of Service (BLOS) for a bicycle network specifically defined by the SC. The consultant will work with the SC to determine the network to conduct the analysis on at a scheduled SC meeting. Once the network is agreed upon, the consultant will conduct the analysis and display the results on the map.

Task 9.1.12 - Optional Task- Develop interactive on-line Bicycle Map that allows bicyclists ability to plot out potential bike routes.