

Hillsborough County Transportation Planning Organization

General Transportation Planning Consultant Contract

VHB Task Work Order #3 Healthy Mobility for Complete Streets

January 27, 2022

BACKGROUND

On July 28, 2020, the Hillsborough County Transportation Planning Organization (the TPO) and VHB (the Consultant) entered into a General Transportation Planning Consultant Contract. The TPO has stated that Health is an emerging focus area for planning and intends to improve public health outcomes while supporting community development, bicycle and pedestrian safety and sustainability. The TPO has several health-related initiatives in place already, including the Health in All Policies (HiAP) Resolution and the Hillsborough County Health Atlas database.

During the scoping process, the Consultant met with TPO to develop a general understanding of the needs for the project:

- The TPO has established countywide performance measures for safety in the Long-Range Transportation Plan (LRTP), including crash reduction forecasts.
- The TPO has a goal of creating 350 miles of Complete Streets throughout the County. These centerline miles are not geographically defined yet and assume a number of improvements to be made.
- The TPO would like to understand how implementation of the Complete Streets treatments would impact public health conditions and potentially reduce risk levels.

SCOPE OF WORK

Task 1 Kickoff

VHB will host a virtual project kickoff meeting with the TPO to discuss the scope, schedule, communication preferences, decision protocols, and invoicing process.

Task 2 Data collection

VHB will obtain and review the following data and plans:

- Prior Health Impact Assessments (HIA) conducted by Hillsborough TPO
- Hillsborough 2045 LRTP Performance Measures
- Vision Zero Top 50 High Injury Network
- CDC 500 City Data
- Related Demographic data from Census and ACS
- Florida Health Charts

Task 3 Community Health Risk Assessment

VHB will use the Healthy Mobility model developed by VHB for these purposes, inclusive of relevant data from the Health Atlas and collected data, to determine community health risk assessment for all census tracts within Hillsborough County, Florida. This risk assessment will analyze the following chronic health conditions:

- High Blood Pressure
- Diabetes

- Asthma
- Coronary Heart Disease
- Obesity
- High Cholesterol

This output will serve as a baseline to perform statistical analysis and comparison described in Task 4. The results of this assessment will also identify the urban form and mobility variables that have a statistical relevance with each of the chronic health conditions. These variables may include block perimeter length, presence or absence of on-street parking, roadway posted speed, or other attributes which are able to be measured in relation to design features throughout the county. VHB will prepare a technical memorandum summarizing the results of the Community Health Risk Assessment, including each of the chronic health conditions and the corresponding statistical assessment. This will include observations that compare Hillsborough County chronic health conditions against state and national data.

Task 4 Scenario Planning

VHB will use the results of the Risk Assessment to test a total of five (5) Complete Street treatments (based on context class) within five study areas identified in coordination with staff. A sixth case study will extrapolate improvements for the top 350 miles of severe crash roadways across the County. These treatments will follow the regression analysis in which statistical significance was achieved for each of the chronic diseases to provide a qualitative understanding of how Complete Street treatments could potentially impact health on each area. This will include the following:

- Methodology Meeting to establish the following:
 - Identify five (5) Complete Street study area locations
 - Identify one (1) typical Complete Street treatment for each of the five (5) study areas, for a total of five (5) typical treatments. Treatments will be based on context classification and existing roadway characteristics (i.e., lane repurposing, transit improvements, addition of active transportation facilities, land use changes, posted speed limit change, etc.) and other factors identified in Task 3 as having statistical significance

VHB will use the Healthy Mobility model to analyze the Complete Street study area variables and determine if or to what extent the proposed mobility and urban design variables have an impact on the chronic disease risk factors identified in the previous task.

VHB will prepare a technical memorandum summarizing the results of the Complete Streets Scenario Planning, including references to the LRTP Crash Reduction technical memorandum as appropriate.

Task 5 Presentation to TPO Board

- VHB will prepare one (1) Powerpoint Presentation summarizing the study findings. VHB will attend one (1) presentation to the TPO Board.

SCHEDULE

The project will be completed on or before June 30, 2022.

DELIVERABLES

- Community Health Risk Assessment Technical Memorandum
- Complete Streets Scenario Planning Technical Memorandum
- Powerpoint Presentation to TPO Board

BUDGET

The project is budgeted at \$50,006. The fee will be invoiced on a percent complete basis

Hillsborough County MPO

Work Assignment #3 Healthy Mobility Complete Streets

General Transportation Planning Consultant Contract – July 28, 2020

27-Jan-22

Budget

| | VHB | | | | | | Pritchett | | Total Hours | Total Cost | |
|---------------------------------------|---------------|----------------|-------------------------------|-------------|-----------------|-----------------------------|---------------|----------------|-------------|------------|--------------------|
| | Chief Planner | Senior Planner | Transportation Data Scientist | Engineer 1 | Project Planner | Transportation Data Analyst | Chief Planner | Senior Planner | | | |
| Contract 2021 Rates | \$83.24 | \$60.41 | \$57.42 | \$39.13 | \$35.87 | \$39.01 | \$52.00 | \$48.00 | | | |
| PHASE 1 | | | | | | | | | | | |
| Task 1: Project Management Meetings | 1 | 4 | 2 | 0 | 4 | 4 | 1 | 1 | 0 | 17 | \$724.39 |
| Kickoff | 1 | 4 | 2 | 0 | 4 | 4 | 1 | 1 | | | \$724.39 |
| Task Data Collection | 0 | 2 | 2 | 0 | 16 | 20 | 0 | 8 | 0 | 48 | \$1,858.84 |
| Compile data | 0 | 2 | 2 | 0 | 16 | 20 | 0 | 8 | | | \$1,858.84 |
| Task Community Health Risk Assessment | 2 | 14 | 6 | 0 | 26 | 40 | 0 | 0 | 0 | 88 | \$3,505.11 |
| Hillsborough County Calibration | 0 | 4 | 2 | 0 | 0 | 16 | 0 | 0 | | | \$865.79 |
| Community Health Risk Assessment | 2 | 4 | 2 | 0 | 10 | 16 | 0 | 0 | | | \$1,390.92 |
| Prepare Tech Memo | 0 | 6 | 2 | 0 | 16 | 8 | 0 | 0 | | | \$1,248.40 |
| Task Scenario Planning | 5 | 20 | 14 | 20 | 60 | 76 | 6 | 20 | 0 | 221 | \$8,795.65 |
| Methodology Meeting | 1 | 4 | 4 | 0 | 4 | 4 | 2 | 2 | | | \$824.39 |
| Prepare Scenarios | 2 | 4 | 0 | 16 | 4 | 4 | 4 | 18 | | | \$2,405.71 |
| Healthy Mobility Analysis | 0 | 4 | 8 | 0 | 32 | 60 | 0 | 0 | | | \$3,729.86 |
| Prepare Tech Memo | 2 | 8 | 2 | 4 | 20 | 8 | 0 | 0 | | | \$1,835.68 |
| Task TPO Board Presentation | 2 | 6 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 18 | \$887.62 |
| Prepare Draft Presentation | 1 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | | | \$419.26 |
| TPO Presentation | 1 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | | | \$468.36 |
| Total Hours | 10 | 46 | 24 | 20 | 116 | 140 | 7 | 29 | 0 | 392 | |
| Total Cost (Unburdened) | \$ 832.39 | \$ 2,779.05 | \$ 1,378.15 | \$ 782.61 | \$ 4,160.36 | \$ 5,461.20 | \$ 364.00 | \$ 1,392.00 | # | | \$17,149.76 |
| Burdened Salary Cost | \$ 2,391.46 | \$ 7,984.21 | \$ 3,959.42 | \$ 2,248.42 | \$ 11,952.72 | \$ 15,690.03 | \$ 1,094.48 | \$ 4,185.47 | # | | \$49,506.20 |
| Expenses (Reimbursable) | | | | | | | | | | | \$500.00 |
| Grand Total | | | | | | | | | | | \$50,006.20 |