

Kennett Square PA Complete Streets and Streetscape Design

Preliminary Scope of Work - For Review

March 26, 2018



The following approach is based upon our understanding of Township of Kennett's needs and the Alta's experience with successfully completing Complete Streets policies and roadway designs that promote walking and bicycling in communities large and small. We are flexible in our approach and look forward to refining this based upon the Township's feedback.

Task 1: Complete Streets Policy/Ordinance

Task 1A – Internal Team Meeting

Alta will participate in a project kick-off meeting with Township staff in order to:

- confirm the scope of the project and schedule
- expectations of the final deliverables
- define the goals and objectives for the Complete Streets Policy/Ordinance
- determine currently plans and policies that support Complete Streets
- understand the Township's needs related to creating a more walkable and bikable environment

After the meeting, Alta will provide a meeting summary that includes the goals and objectives for the effort. *(Note that this meeting can be completed separately via conference call or can be combined with the kick-off meeting described in Task 2A below.)*

Task 1B – Research on Case Studies

Alta will research and summarize two (2) case studies highlighting lessons learned and benefits from adopting Complete Streets (CS) policies. Case studies will be based on best-practice from our library of national examples from communities with similar characteristics, e.g. size, demographics and character. The case-study analysis will highlight lessons learned and tips for overcoming challenges. The case studies will be provided to the Township in memorandum form to determine which elements are best suited for Kennett's complete streets policy/ordinance.

Task 1C – Draft/final Policy and Ordinance

Alta will incorporate comments from the team meeting, past planning efforts related to CS and lessons learned from the case studies to draft a CS policy or ordinance for Kennett Township. The policy language will describe the goals for the program, subsequent action item to be incorporated into other Township policies, recommendations for a design review process for street repaving/restriping or reconstruction projects. The policy/ordinance will take into account the varying urban/suburban context within Kennett along with the community's goals and priorities. After review by Township staff and the relevant elected officials or communities, Alta will refine the draft as a final draft policy/ordinance for adoption by the Township.

Task 2-4: Complete Streets Design

Task 2A-4A – Internal Team Meeting and Field Tour

As part of the Complete Streets redesign work for State, Cypress and Birch streets, up to two (2) Alta staff will attend an internal team meeting. With appropriate township staff and representatives as appropriate. The intent of the meeting is to discuss the planning-related goals for each of the three roadways and determine the design elements desired. After the meeting, Alta will accompany Township staff on a field tour of the three streets in order to discuss key challenges “on-site” and discuss potential improvements opportunities while in the field.

Subsequent to the internal team meeting and field tour, Alta will provide a detailed summary. This will include a re-interpretation of the planning-related goals into criteria that can be used to evaluate streetscape design options developed in Tasks 2B-4B.

Task 2B-4B – Concept Plan Options for State, Cypress and Birch Streets

Working concurrently, Alta will develop concept-level design options for State, Cypress and Birch streets. The concepts will be consistent with the principles laid out in the CS policy/ordinance. Design elements will build from the guidelines developed recently by Alta, along with best-practices manuals such as the NACTO Urban Street Design Guide, the NACTO Urban Bikeway Design Guide and the MUTCD. We also intend to consider typical PennDOT roadway design standards along portions of any roadway designated as a state highway. Through streetscape concept diagrams and cross-sections, we will lay out up to two (2) design concepts for each of the three streets. Each option will incorporate pedestrian improvements, bicycle facilities, stormwater treatment, landscaping and street furniture. Both options will be scored based on evaluation criteria developed in Task 2A, with a recommendation for moving forward with a particular design strategy for each of the three streets.

Task 2C-4C – Preliminary Roadway Design for State, Cypress and Birch Streets

After Township staff has provided comments on each recommended design concept for State, Cypress and Birch streets, we will develop preliminary roadway designs. Roadway striping recommendations will include travel lanes, turn lanes, bike facilities (bike lanes or shared lane markings), intersection treatment, crosswalks and signage. Designs will take into account recent traffic counts and turn movement counts but will not be a substitute for a full traffic study for each roadway. It is anticipated that any significant changes to traffic flow—such as reduction of the number of travel lanes—will be previously-approved by the Township or other relevant state, regional or local agencies. Our recommendations will also include potential alterations to signalized intersections to better-accommodate pedestrians and/or bicyclists. Deliverables for tasks 2C-4C will be completed at 10% design stage and include recommended roadway geometry, curb locations, a striping plan and a street cross section for each roadway segment of a differing design (due to changes in the bike facility, the additional of turn lanes, etc.).

Task 2D-4D – Preliminary Streetscape Design for State, Cypress and Birch Streets

After approval of the recommended design concepts for State, Cypress and Birch streets, Alta will develop streetscape designs that are consistent with Kennett’s Active Transportation Plan and Complete Streets Design Guide. Designs will be developed to a 10% level and include recommendations for improved portions of the

public right of way between the curb and the adjacent property line. Designs will feature recommendations for the building frontage zone, the pedestrian thru zone and the designated furniture zone adjacent to the curb. Call-outs will include pavement material recommendations, plant/tree species, sidewalk paving patterns, and street furniture (seating, planters, trash cans, bike racks, tree grates, lighting, signs, and special features such as public art or map kiosks).

Task 2-4 Deliverables:

- **Tasks 2A-4A** – Up to two (2) design options—presented with diagrammatic and cross section graphics—for State, Cypress and Birch streets, evaluated with a recommendation for the preferred concept plan
- **Tasks 2B-4B** – 10% design graphics featuring roadway striping plans, intersection enhancements and potential alterations to signal phasing
- **Tasks 2C-4C** – 10% design graphics featuring streetscape improvements between the roadway curb and the property line that includes recommendations related to paving materials, landscaping and street furniture.
- **Tasks 2D-4D** – A rendered plan view and street cross-sections for each of the three corridors with the complete street (combined roadway and streetscape) improvements.

Task 5: Summary Report

After the completion of the design graphics for the striping plans and streetscape designs, Alta will package our work effort into a brief summary report. The summary report will include a brief overview of the design and evaluation process, along with roadway striping and streetscape recommendation graphics for State, Cypress and Birch streets.