

October 17, 2022

S. Khurshid Hoda, CPP
Director, Engineering Programs and Services
Village of Orland Park
14700 Ravinia Avenue
Orland Park, IL 60462

Re: Proposal for Parking and Traffic Studies – Centennial West Park, Schussler Park, and Centennial Park

Dear Mr. Hoda:

On behalf of Strand Associates, Inc.®, thank you for the opportunity to provide our proposal for parking and traffic studies for Centennial West Park, Schussler Park, and Centennial Park. We understand the Village is in the process of initiating design improvements for these three parks with another consultant(s). The parking and traffic study will be based on the improvements proposed and site plan provided in the Village's e-mails dated October 5 and 10, 2022. Additional design documents of each park will be available to us if selected for the project. The Village requests the Centennial West and Schussler Park studies be completed within the next 6 weeks, though the peak park usage is not realized during this study timeframe. The Centennial Park study could be completed after the first two parks. These studies will be brought to the Planning Commission for approval.

Scope of Services

Our proposed Scope of Services for each of the park traffic and parking impact analyses are presented separately.

Centennial West Park

- **Data Collection**

- Collect 4-hour (4 p.m. to 8 p.m.) weekday turning movement counts at the following locations:
 - 108th Avenue and Jillian Road
 - 108th Avenue and Somerglen Lane
 - US 6 and Park Station Boulevard
 - US 6 and 108th Avenue
 - 153rd Street and 108th Avenue
 - 153rd Street and Park Station Boulevard
 - 153rd Street and Metra/Centennial Park Entrance
- Collect a 4-hour (4 p.m. to 8 p.m.) weekday parking inventory of the Metra 153rd Street West parking lot and the Metra 153rd Street East parking lot. The parking inventory data collection period will be every 30 minutes.

- **Traffic and Parking Analysis**

- Prepare trip generation for the proposed park improvements using a factor to convert the capacity of the concert venue to an anticipated number of new trips. The final conversion factor will be discussed with and agreed to by the Village prior to the analysis.
- Prepare trip distribution and assignment to the study intersections listed above for the proposed park improvements based on existing daily traffic volume patterns and likely locations of parking.

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- Prepare an area parking analysis to determine the number of typically available spaces in the area around the park using the results of the parking inventory. The evaluation will include a number of available parking stalls within a 5- and 10-minute walk. The number of available spaces will be evaluated against the parking requirements for a “Stadium or Arena” as listed in the Village’s Code of Ordinances.
- Develop Synchro 11 traffic models to evaluate the following traffic scenarios at the seven intersections listed under data collection:
 - 2023 base traffic and existing roadway geometry
 - 2023 base plus park improvement traffic and existing roadway geometry
 - 2023 base plus park improvement traffic with park roadway improvements
- **Documentation and Meetings**
 - Prepare and submit a draft *Centennial West Park Traffic and Parking Impact Study* incorporating the trip generation and distribution, parking analysis, traffic analysis, and recommended improvements for the project area.
 - Attend one meeting with the Village’s Planning Commission to present the draft results. Up to two staff will attend the meeting.
 - Provide one revision of the draft study incorporating the Village’s comments, as appropriate. Finalize and submit the *Centennial West Park Traffic and Parking Impact Study* to the Village.

Schussler Park

- **Data Collection**
 - Collect 4-hour (4 p.m. to 8 p.m.) weekday turning movement counts at the following locations:
 - Golfview Drive and 88th Avenue (South)
 - Golfview Drive and 88th Avenue (North)
 - 143rd Street and 88th Avenue
 - Poplar Road and Golfview Drive
- **Traffic and Parking Analysis**
 - Prepare trip generation for the proposed park improvements using a factor to convert the capacity of the proposed bleachers to an anticipated number of new trips. The final conversion factor will be discussed with and agreed to by the Village prior to the analysis.
 - Prepare trip distribution and assignment to the study intersections listed above for the proposed park improvements based on existing daily traffic volume patterns and likely locations of parking.
 - Prepare an area parking analysis to determine the number of typically available spaces in the area around the park using the results of the parking inventory. The evaluation will include a number of available parking stalls within a 5- and 10-minute walk. The number of available spaces will be evaluated against the parking requirements for a “Stadium or Arena” as listed in the Village’s Code of Ordinances.
 - Develop Synchro 11 traffic models to evaluate the following traffic scenarios at the four intersections listed under data collection:
 - 2023 base traffic and existing roadway geometry
 - 2023 base plus park improvement traffic and existing roadway geometry
 - 2023 base plus park improvement traffic with park roadway improvements

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- **Documentation and Meetings**

- Prepare and submit a draft *Schussler Park Traffic and Parking Impact Study* incorporating the trip generation and distribution, parking analysis, traffic analysis, and recommended improvements for the project area.
- Attend one meeting with the Village's Planning Commission to present the draft results. Up to two staff will attend the meeting.
- Provide one revision of the draft study incorporating the Village's comments, as appropriate. Finalize and submit the *Schussler Park Traffic and Parking Impact Study* to the Village.

Centennial Park

- **Data Collection**

- Collect 4-hour (4 p.m. to 8 p.m.) weekday turning movement counts at the following locations:
 - 153rd Street and West Avenue
 - Fun Drive and West Avenue
 - West Avenue and South Ravinia Avenue
 - US 6 and South Ravinia Avenue

- **Traffic and Parking Analysis**

- Prepare trip generation for the park using a factor to convert the proposed improvements to an anticipated number of new trips. The final conversion factor will be discussed with and agreed to by the Village prior to the analysis.
- Prepare trip distribution and assignment to the study intersections listed above for the proposed park improvements based on existing daily traffic volume patterns and likely locations of parking.
- Prepare an area parking analysis to determine the number of typically available spaces in the area around the park using the results of the parking inventory. The evaluation will include a number of available parking stalls within a 5- and 10-minute walk. The number of available spaces will be evaluated against the parking requirements as listed in the Village's Code of Ordinances for the proposed improvements.
- Develop Synchro 11 traffic models to evaluate the following traffic scenarios at the six intersections listed under data collection:
 - 2023 base traffic and existing roadway geometry
 - 2023 base plus park improvement traffic and existing roadway geometry
 - 2023 base plus park improvement traffic with park roadway improvements

- **Documentation and Meetings**

- Prepare and submit a draft *Centennial Park Traffic and Parking Impact Study* incorporating the trip generation and distribution, parking analysis, traffic analysis, and recommended improvements for the project area.
- Attend one meeting with the Village's Planning Commission to present the draft results. Up to two staff will attend the meeting.
- Provide one revision of the draft study incorporating the Village's comments, as appropriate. Finalize and submit the *Centennial Park Traffic and Parking Impact Study* to the Village.

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Schedule

If notice to proceed is received by October 24, 2022, we estimate the following schedules for the three projects.

Centennial West Park	
Task	Completion Date
Traffic Data Collection	October 27, 2022
Traffic and Parking Analysis	November 7, 2022
Draft <i>Centennial West Park Traffic and Parking Impact Study</i>	November 11, 2022
Plan Commission Meeting	November 15, 2022
Final <i>Centennial West Park Traffic and Parking Impact Study</i>	November 23, 2022

Schussler Park	
Task	Completion Date
Traffic Data Collection	November 3, 2022
Traffic and Parking Analysis	November 18, 2022
Draft <i>Schussler Park Traffic and Parking Impact Study</i>	November 29, 2022
Plan Commission Meeting	December 6, 2022
Final <i>Schussler Park Traffic and Parking Impact Study</i>	December 14, 2022

Centennial Park	
Task	Completion Date
Traffic Data Collection	November 11, 2022
Traffic and Parking Analysis	January 20, 2023
Draft <i>Centennial Park Traffic and Parking Impact Study</i>	January 31, 2023
Plan Commission Meeting	February 7, 2023
Final <i>Centennial Park Traffic and Parking Impact Study</i>	February 15, 2023

Fee

Our proposed fee for the above services is as follows.

Centennial West Park	
Task	Fee
Traffic Data Collection	\$10,500
Traffic and Parking Analysis	\$8,300
Documentation and Meetings	\$9,000
Total	\$27,800

Schussler Park	
Task	Fee
Traffic Data Collection	\$6,100
Traffic and Parking Analysis	\$6,200
Documentation and Meetings	\$8,400
Total	\$20,700

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Centennial Park	
Task	Fee
Traffic Data Collection	\$6,400
Traffic and Parking Analysis	\$7,800
Documentation and Meetings	\$8,700
Total	\$22,900

This letter is not to be considered an agreement between the Village of Orland Park and Strand Associates, Inc.®. Once selected, we will prepare an agreement and submit to the Village for review and signature based on our previous negotiations with the Village. Following written notice to proceed, services on the project will begin.

Please let us know if the Village would like to discuss the services proposed or any other aspects of the proposal. We look forward to working with the Village on this project and providing the necessary level of knowledge, care, and detail needed to make this project a success.

Sincerely,

STRAND ASSOCIATES, INC.®



Marc A. Grigas, P.E.
Client Liaison



Kyle R. Henderson, P.E.
Transportation Engineer

P220.948/KRH:mah