Call to Order

Approval of Minutes from March 30, 2022

Presentation: Oak Ridge Ave/Centre Hills Village Neighborhood

Technical Questions

Informative

Adjournment
**CENTRE HILLS VILLAGE**

**TRAFFIC CALMING STUDY & APPROVAL PROCESS**

**STAGE 1**
**SUBMITTAL OF REQUEST**
- Petition by Centre Hills Village residents to College Township Council
- Meeting to explore complaint and further evaluate present issues.
- Identification of project area, roadway functional classification, land use, speed/cut-through issue.
- LTAC determined that the issue met the criteria to advance to Stage 2.

**STAGE 2**
**TRAFFIC CALMING PLAN DEVELOPMENT**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- Survey findings presented to Council. If authorized, a Neighborhood Traffic Calming Committee is formed.
- Building on NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock.

**STAGE 3**
**APPROVAL PROCESS**
- An open house or public meeting to discuss the Final Plan may be warranted.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**STAGE 4**
**INSTALLATION AND EVALUATION**
- Following Council approval, devices are installed in neighborhood.
- Speed and volume data is collected and evaluated after 12 months to determine effectiveness of traffic calming measures.
- If post-improvement cut-through traffic is 40% or less of total traffic volume (+/- 5%) the project is deemed effective.
- If measures have not been effective, additional devices can be evaluated by returning to Step 7.

**CURRENT STEP**
- Work toward consensus on the number of speed humps and pinch points acceptable to neighborhood.

**IF CONCURRENCE IS ACHIEVED, ADVANCE TO STAGE 3.**
- LTAC conducted neighborhood survey.
- LTAC presents the Final Plan to Council.
- LTAC identifies traffic calming measures.
- LTAC endorses, project advances to Stage 4.

**IF CONCURRENCE IS LACKING, REVISIT TO STEP 7.**
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**ADVANCE TO STAGE 4**
- Data collection and evaluation begins.
- LTAC presents the Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**ADVANCE TO STAGE 4**
- Optional open house or public meeting.
- LTAC presents the Final Plan to Council.
- LTAC presents the Final Plan to Council.
- LTAC presents the Final Plan to Council.
**STAGE 1**
**SUBMITTAL OF REQUEST**
- Petition by Centre Hills Village residents to College Township Council
- Meeting to explore complaint and further evaluate present issues.
- Identification of project area, roadway functional classification, land use, speed/cut-through issue.
- LTAC determined that the issue met the criteria to advance to Stage 2.

**STAGE 2**
**TRAFFIC CALMING PLAN DEVELOPMENT**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- Survey results presented to Council. If authorized, a NTCC is formed.
- Using NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock.
- Work toward consensus on the number of speed humps and pinch points acceptable to neighborhood.

**STAGE 3**
**APPROVAL PROCESS**
- An open house or public meeting to discuss the Final Plan may be warranted.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**STAGE 4**
**INSTALLATION AND EVALUATION**
- Following Council approval, LTAC conducts Public Meeting.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**STEP 4**
**QUALIFICATION**
- LTAC determined that the issue met the criteria to advance to Stage 2.

**STEP 5**
**LTAC CONDUCTS NEIGHBORHOOD SURVEY**
- Survey results presented to Council. If authorized, a NTCC is formed.

**STEP 6**
**COUNCIL AUTHORIZATION AND FORMATION OF NTCC**
- Council Authorization and formation of NTCC.

**STEP 7**
**IDENTIFY TRAFFIC CALMING MEASURES**
- Using NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock.
- Work toward consensus on the number of speed humps and pinch points acceptable to neighborhood.

**STEP 9**
**OPTIONAL OPEN HOUSE OR PUBLIC MEETING**
- An open house or public meeting to discuss the Final Plan may be warranted.

**STEP 10**
**LTAC PRESENTS THE FINAL PLAN TO COUNCIL**
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**STEP 11**
**NEIGHBORHOOD VOTE**
- Requires 66% favorable vote to advance.

**STEP 12**
**TOWNSHIP APPROVAL**
- Following Council approval, devices are installed in neighborhood.

**STEP 13**
**INSTALLATION OF DEVICES**
- LTAC surveys the Neighborhood for avote on Final Plan. If vote fails, project ends or return to Step 1.

**STEP 14**
**DATA COLLECTION**
- Speed and volume data is collected and evaluated after 12 months to determine effectiveness of traffic calming measures.

**STEP 15**
**DATA EVALUATION**
- If post-improvement cut-through traffic is 40% or less of total traffic volume (+/− 5%) the project is deemed effective.

**STEP 16**
**MODIFICATION, IF NEEDED**
- If measures have not been effective, additional devices can be evaluated by returning to Step 7.
Project Timeline

• 9/23/2020 – STEP 2 ➔ Receive Petition of Concern
• 9/30/2020 – STEP 5 ➔ LTAC mails out survey
• 11/18/2020 – STEP 6 ➔ Forward to Council
• 5/26/2021 – STEP 6.1 ➔ Discuss Options
• 9/22/2021 – STEP 6.2 ➔ Trans/NTCC present Options
• 1/12/2022 – STEP 6.3 ➔ NTCC presents Survey Results
• 3/30/2022 – STEP 7 ➔ Remand from Council, discuss Phased option of speed humps and pinch points.
• 7/27/22 – STEP 8
**Step 1: Request Traffic Calming Study**
- Petition by Centre Hills Village residents to College Township Council
- Meeting to explore complaint and further evaluate present issues.
- Identification of project area, roadway functional classification, land use, speed/cut-through issue.
- LTAC determined that the issue met the criteria to advance to Stage 2.
- Advance to Stage 2

**Step 2: Scoping Meeting**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7
- LTAC presents the Neighborhood Traffic Calming Committee to Council. If not endorsed, return to Step 7

**Step 3: LTAC Compiles Supporting Data**
- Building on NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1
- LTAC surveys the Neighborhood to discuss the Final Plan may be warranted
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7

**Step 4: Qualification**
- Survey findings presented to Council. If authorized, a Neighborhood Traffic Calming Committee is formed.
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**Stage 1: Submittal of Request**
- Following Council approval, devices are installed in neighborhood.
- Speed and volume data is collected and evaluated after 12 months to determine effectiveness of traffic calming measures.
- If post-improvement cut-through traffic is 40% or less of total traffic volume (+/- 5%) the project is deemed effective.
- If measures have not been effective, additional devices can be evaluated by returning to Step 7.

**Stage 2: Traffic Calming Plan Development**
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.
- LTAC presents the Neighborhood Traffic Calming Committee to Council. If not endorsed, return to Step 7.

**Stage 3: Approval Process**
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.
- LTAC surveys the Neighborhood to discuss the Final Plan may be warranted
- The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**Stage 4: Installation and Evaluation**
- Following Council approval, devices are installed in neighborhood.
- Speed and volume data is collected and evaluated after 12 months to determine effectiveness of traffic calming measures.
- If post-improvement cut-through traffic is 40% or less of total traffic volume (+/- 5%) the project is deemed effective.
- If measures have not been effective, additional devices can be evaluated by returning to Step 7.

**Stage 5: LTAC Conducts Neighborhood Survey**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**Stage 6: Council Authorization and Formation of NTCC**
- Survey findings presented to Council. If authorized, a Neighborhood Traffic Calming Committee is formed.
- LTAC presents the Neighborhood Traffic Calming Committee to Council. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 8: Concurrence on Devices, Locations and Design**
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC presents the Neighborhood Traffic Calming Committee to Council. If not endorsed, return to Step 7.

**Stage 9: Optional Open House or Public Meeting**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 10: LTAC Presents The Final Plan to Council**
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**Stage 11: Neighborhood Vote Requires 66% favorable vote to advance.**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 12: Township Approval**
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 13: Installation of Devices**
- LTAC presents the Neighborhood Traffic Calming Committee to Council. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**Stage 14: Data Collection**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 15: Data Evaluation**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.

**Stage 16: Modification if Needed**
- LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.
- LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.
- LTAC surveys the Neighborhood for a vote on Final Plan. If vote fails, project ends or return to Step 1.
NTCC ASSIGNMENT

1. Review the ‘Full Build-out’ plan as provided by Trans-Associates

2. Recommend a Final Plan comprised of any combination of measures Not to Exceed ‘Full Build-out’ plan.

   CANNOT MOVE OR ADD MEASURES (SPEED HUMPS OR PINCH POINTS) BUT CAN REDUCE TOTAL NUMBER

3. Goal is to ensure community support for vote (requires 66% approval)

4. NTCC endorsed plan represents the final plan for the neighborhood vote.

STEP 11
NEIGHBORHOOD VOTE
Requires 66% favorable vote to advance.
REVIEW OF FULL BUILD-OUT PLAN

• Plan prepared by Trans-Associates represents maximum number of speed humps and pinch points based on several criteria:
  • Property Lines
  • Driveways
  • Inlets/Drainage
  • Vertical and Horizontal Curves
  • Distance from Intersections
TYPICAL PAVEMENT MARKINGS FOR SPEED HUMPS

SPEED HUMP PROFILE

** SEAL EDGES WITH ASPHALT SEAL

CUTTER PROFILE

** INCIDENTAL TO PAVING ITEMS
OAK RIDGE AVE.
PINCH POINT DETAIL
N.T.S.

SHAMROCK AVE. (SOUTH)
PINCH POINT DETAIL
N.T.S.

SHAMROCK AVE. (NORTH)
PINCH POINT DETAIL
N.T.S.

PINCH POINT ISLAND
TYPICAL SECTION
N.T.S.

EXIST, ASPHALT PAVERMENT
AND ROUGH CEMENT CONCRETE
ASPHALT PAVERMENT RESTORATION
CONCRETE MOUNTABLE CURB, TYPE A
PER PENNDOT STANDARD 6K145W

EXIST, ASPHALT PAVERMENT
CONCRETE MOUNTABLE CURB, TYPE A
PER PENNDOT STANDARD 6K145W

12" x 56" 24" x 18"

PINCH POINT SIGN DETAILS
N.T.S.

CARSON ASSOCIATES

DESIGNER: J.M. J. 1/2/22
PROJECT NO.: COLLEGE-01-72

DRAWN: J.M. 7/3/22
PROJECT: 6K145W

CHECKED: C.S. 7/22/22
TRAFFIC CAGING

APPROVED: T.E.S. 8/1/22
PINCH POINT DETAILS

TRANS ASSOCIATES
TECHNICAL QUESTIONS

• NTCC can ask technical questions regarding the ‘Full Build-out’ Plan

• LTAC will not consider any other measures at this time. Any request requires returning to STEP 1.

• Post study results for implementation of plan to be accepted cannot just show a reduction in overall traffic volume, but the results must show that the percentage of cut-through traffic is 40% (+/-5%) or less of the counted traffic entering CHV and exiting CHV.
Petition by Centre Hills Village residents to College Township Council

Meeting to explore complaint and further evaluate present issues.

Identification of project area, roadway functional classification, land use, speed/cut-through issue.

LTAC determined that the issue met the criteria to advance to Stage 2.

Advance to Stage 2

**Stage 1** Submittal of Request

**Step 1** Request Traffic Calming Study

**Step 2** Scoping Meeting

**Step 3** LTAC Compiles Supporting Data

**Step 4** Qualification

Advance to Stage 2

**Stage 2** Traffic Calming Plan Development

**Step 5** LTAC Conducts Neighborhood Survey

LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.

**Step 6** Council Authorization and Formation of NTCC

Survey findings presented to Council. If authorized, a Neighborhood Traffic Calming Committee is formed.

**Step 7** Identify Traffic Calming Measures

Building on NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock.

**Stage 3** Approval Process

**Step 8** Concurrence on Devices, Locations and Design

Work toward consensus on the number of speed humps and pinch points acceptable to neighborhood.

**Step 9** Optional Open House or Public Meeting

An open house or public meeting to discuss the Final Plan may be warranted.

**Step 10** LTAC Presents the Final Plan to Council

LTAC presents Final Plan to Council for endorsement. If not endorsed, return to Step 7.

**Step 11** Neighborhood Vote Requires 66% favorable vote to advance.

The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**Step 12** Township Approval

The final plan including funding source, must be approved by Council. If rejected, return to Step 7.

**Stage 4** Installation and Evaluation

**Step 13** Installation of Devices

Following Council approval, devices are installed in neighborhood.

**Step 14** Data Collection

Speed and volume data is collected and evaluated after 12 months to determine effectiveness of traffic calming measures.

**Step 15** Data Evaluation

If post-improvement cut-through traffic is 40% or less of total traffic volume (+/- 5%) the project is deemed effective.

**Step 16** Modification if Needed

If measures have not been effective, additional devices can be evaluated by returning to Step 7.

Advance to Stage 4

**Stage 5** LTAC Conducts Neighborhood Survey

LTAC surveyed all property owners within the project area. Met the 66% favorable threshold needed to advance study.

**Stage 6** Council Authorization and Formation of NTCC

Survey findings presented to Council. If authorized, a Neighborhood Traffic Calming Committee is formed.

**Stage 7** Identify Traffic Calming Measures

Building on NTCC recommendations, consultant developed a plan for devices on Oak Ridge & Shamrock.

**Stage 8** Concurrence on Devices, Locations and Design

Work toward consensus on the number of speed humps and pinch points acceptable to neighborhood.

If concurrence is achieved, advance to Stage 3.

If concurrence is lacking, revisit to Step 7.
NTCC ASSIGNMENT

1. Review the ‘Full Build-out’ plan as provided by Trans-Associates.

2. Recommend a Final Plan comprised of any combination of measures Not to Exceed ‘Full Build-out’ plan. **CANNOT MOVE OR ADD MEASURES (SPEED HUMPS OR PINCH POINTS) BUT CAN REDUCE TOTAL NUMBER**

3. Goal is to ensure community support for vote (requires 66% approval).

4. NTCC endorsed plan represents the final plan for the neighborhood vote.
LTAC MEETING AGENDA (Continued)

• Call to Order
• Approval of Minutes from March 30, 2022
• Presentation: Oak Ridge Ave/Centre Hills Village Neighborhood
• Technical Questions
• Informative
• Adjournment