

SR 15 SECTION 088 CSV T SOUTHERN SECTION



PUBLIC MEETING

MAY 25, 2017



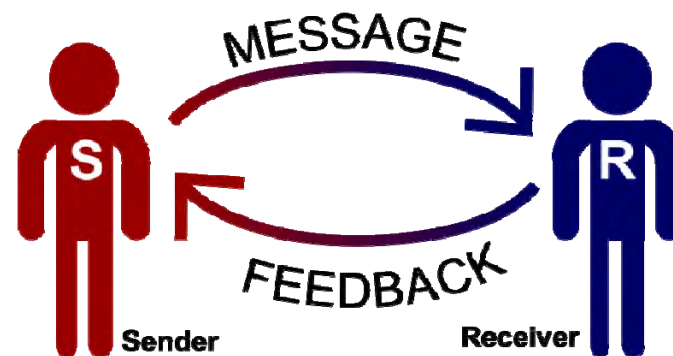
Excellence Delivered As Promised

AGENDA

- **MEETING PURPOSE**
- **CSV T NORTHERN SECTION UPDATE**
- **CSV T SOUTHERN SECTION**
 - **FEBRUARY PUBLIC MEETING RECAP**
 - **DESIGN CHANGES**
 - **ACID ROCK ALIGNMENT SHIFT**
 - **ASH BASIN AVOIDANCE ALTERNATIVES**
 - **NEXT STEPS**
- **OPEN HOUSE**

MEETING PURPOSE

- Provide updates and continue to work through challenges to advance CSVT and ultimately achieve its long-term benefits
 - Present preliminary alternatives to avoid ash basins
 - Solicit input to consider during detailed studies of alternatives



NORTHERN SECTION UPDATE



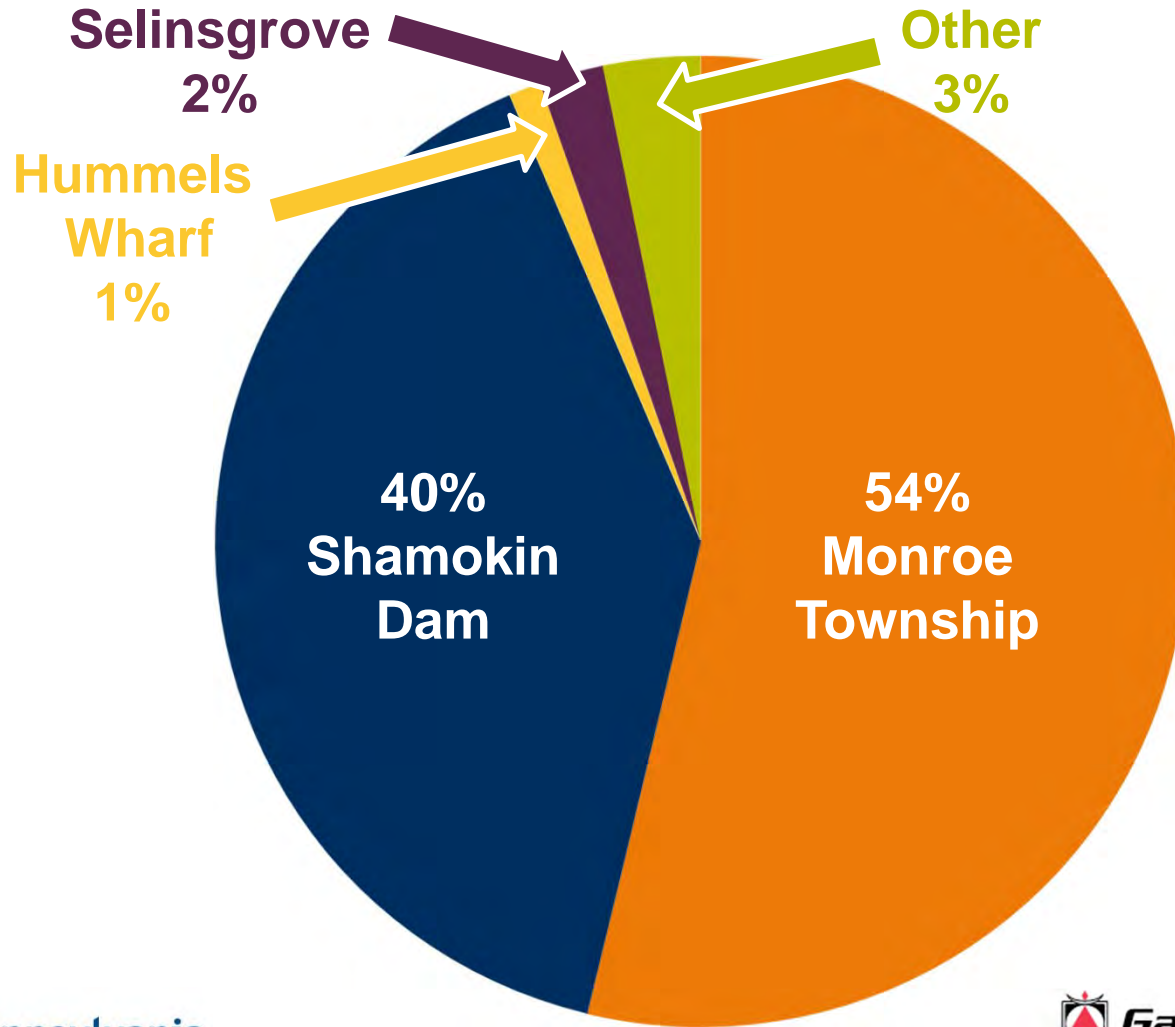
CSV T Northern Section (looking north across river and PA 147)

FEBRUARY PUBLIC MEETING RECAP

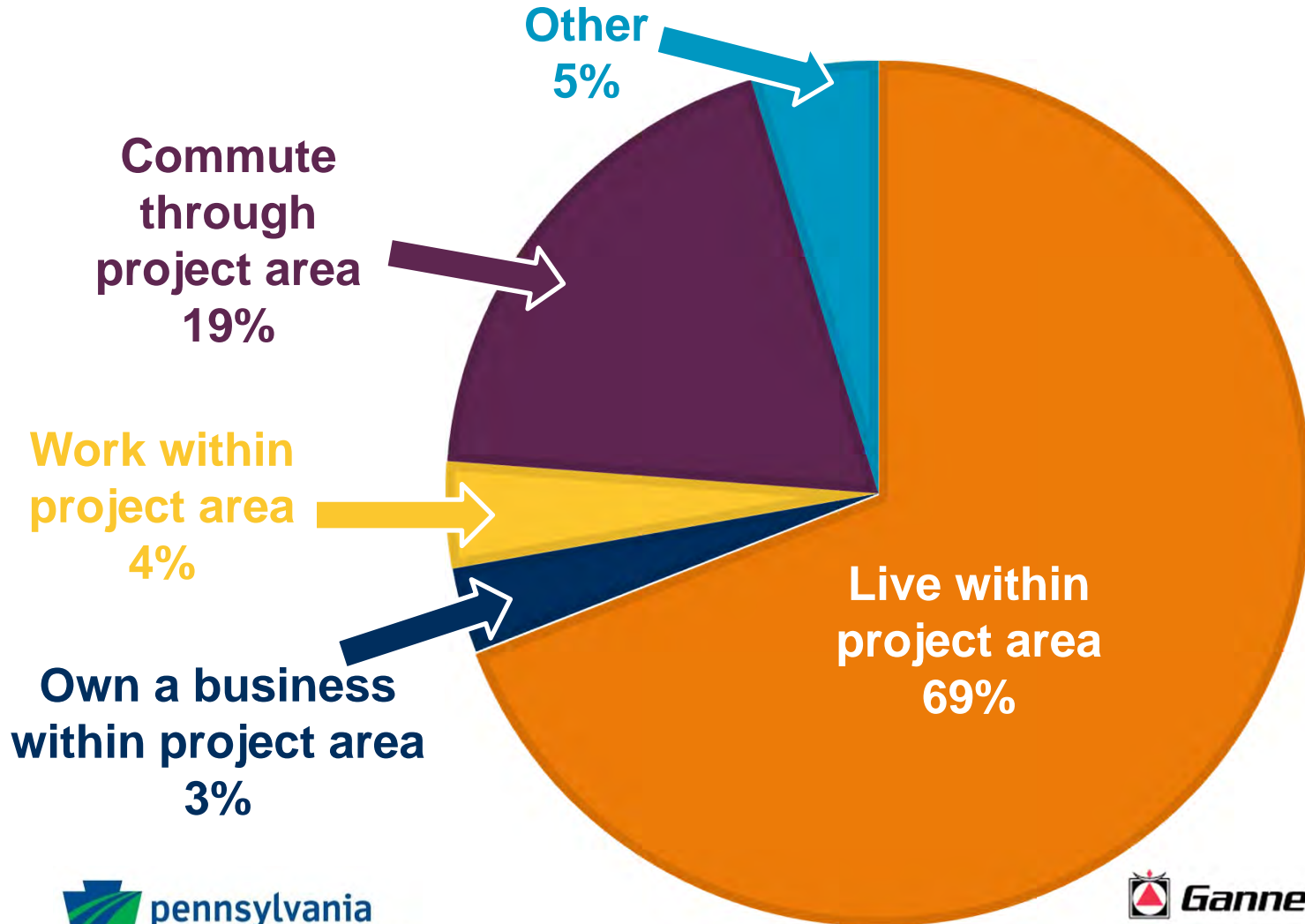
- Held February 15, 2017
- 389 attendees signed in
- 96 questionnaires returned



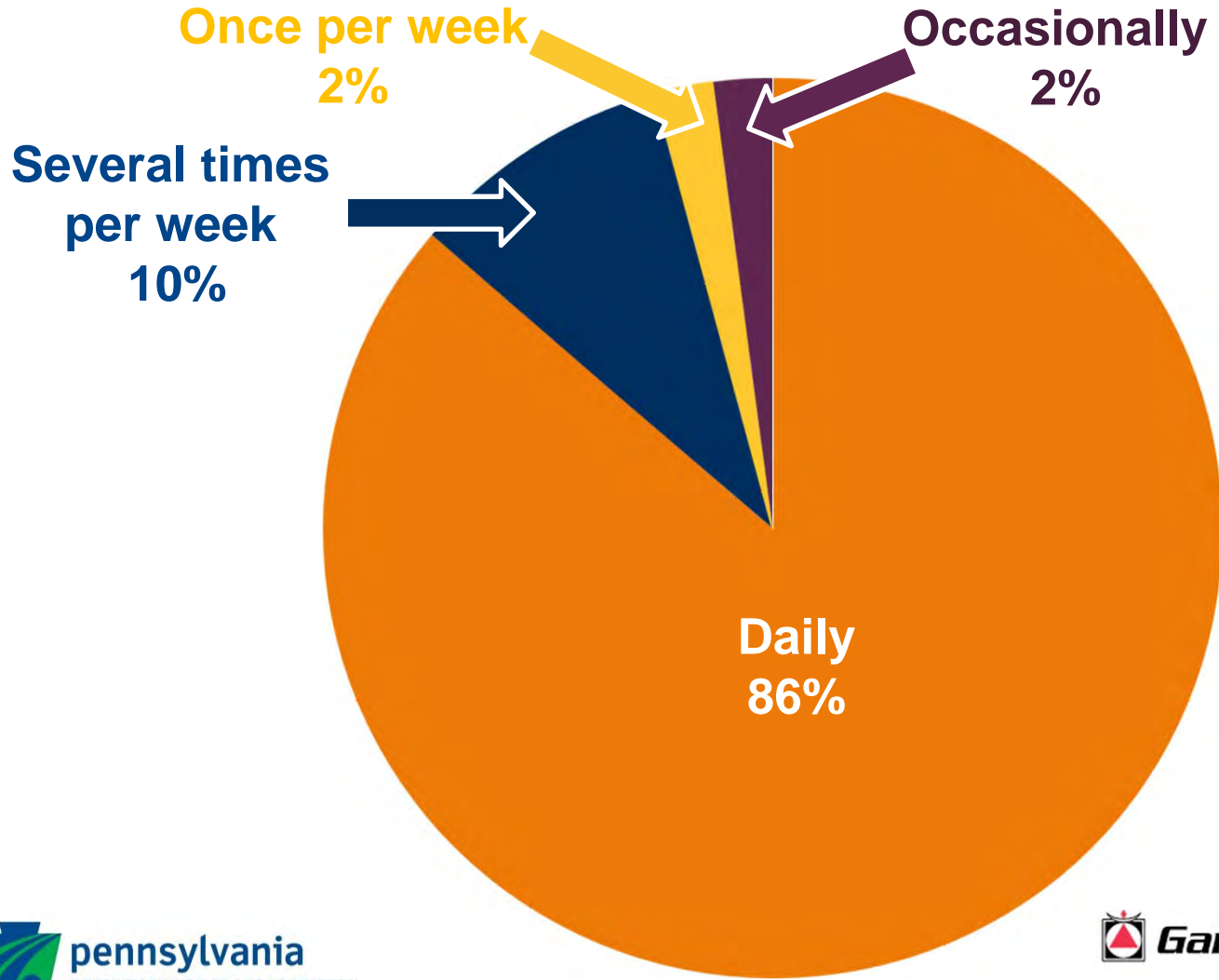
SURVEY RESULTS – Where do you live?



SURVEY RESULTS – What's your interest in the project?

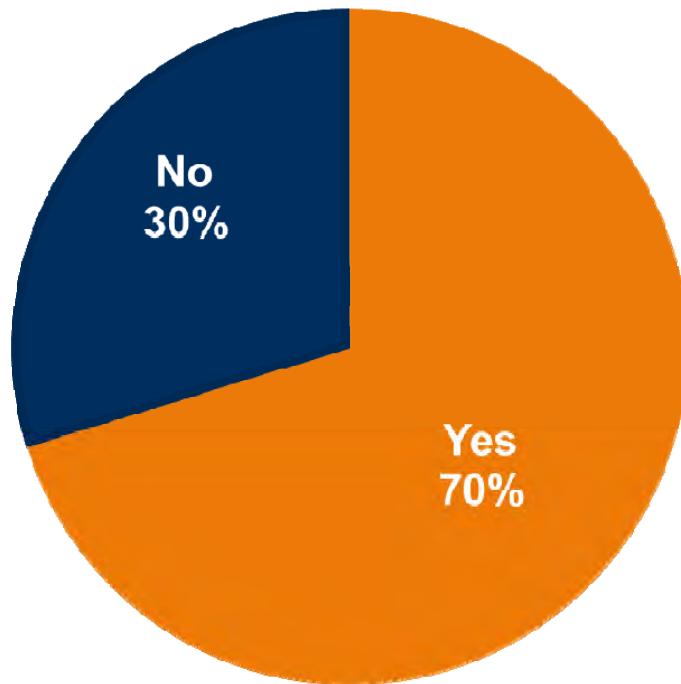


SURVEY RESULTS – How often do you travel through the study area?

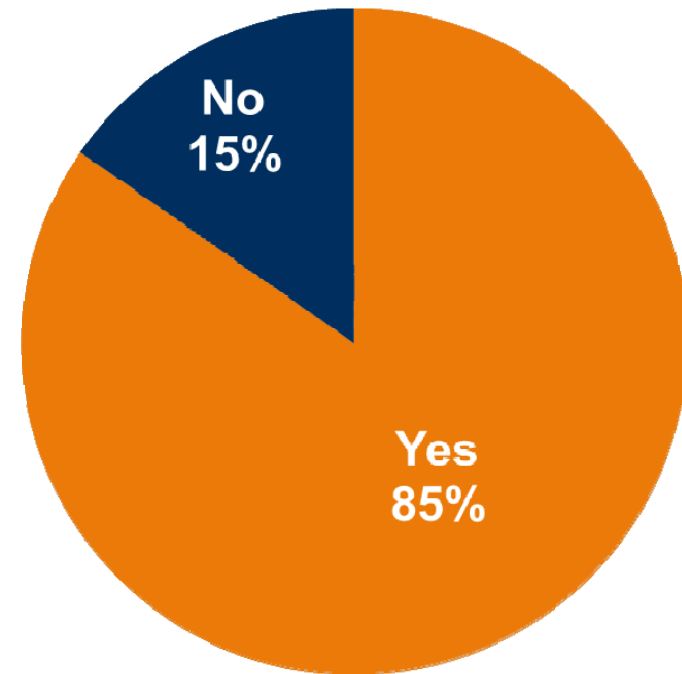


SURVEY RESULTS – Are you satisfied with the information provided on...

DESIGN CHANGES?



ACID ROCK AND THE ASH BASINS?

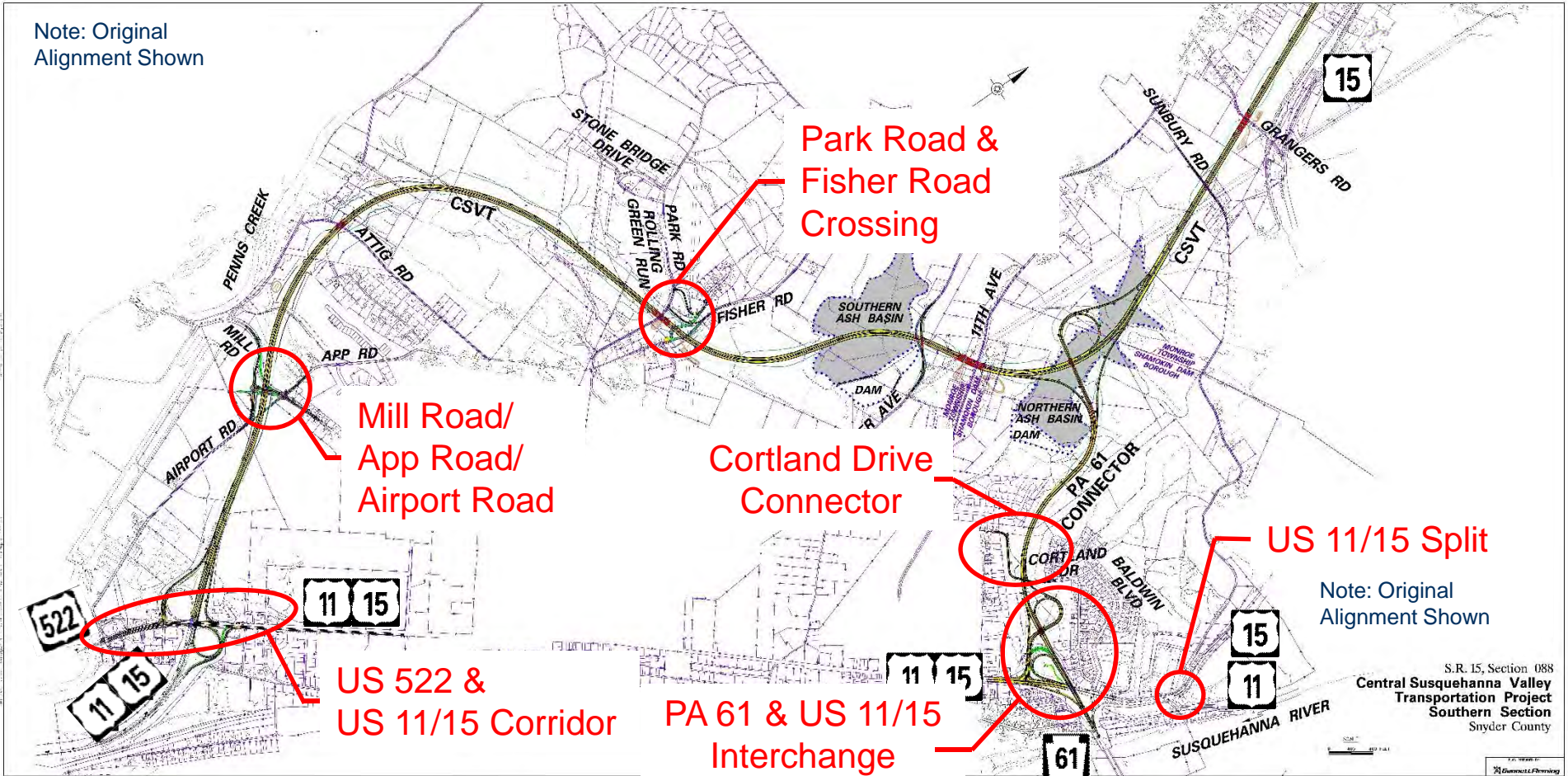


FEBRUARY PUBLIC MEETING RECAP

- The Design Team appreciates the input received from the public.
 - Q/A session
 - Open house
 - Questionnaires
 - Follow-up emails and phone calls
- **Thank you for taking time to communicate!**






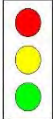


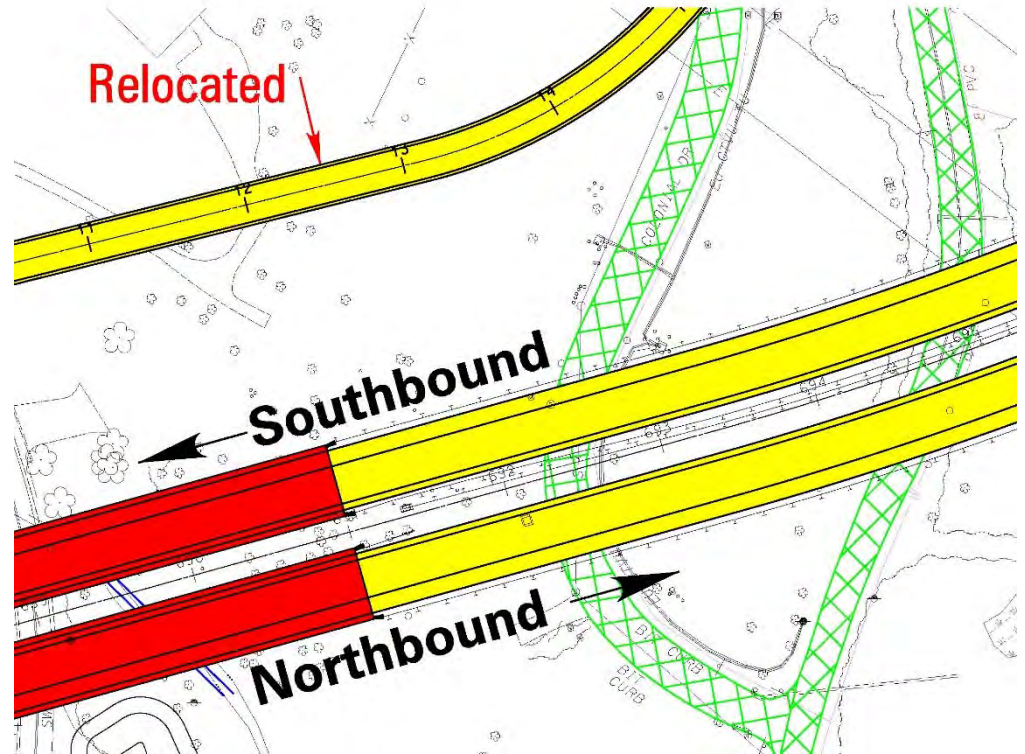
DESIGN CHANGES



DESIGN CHANGES

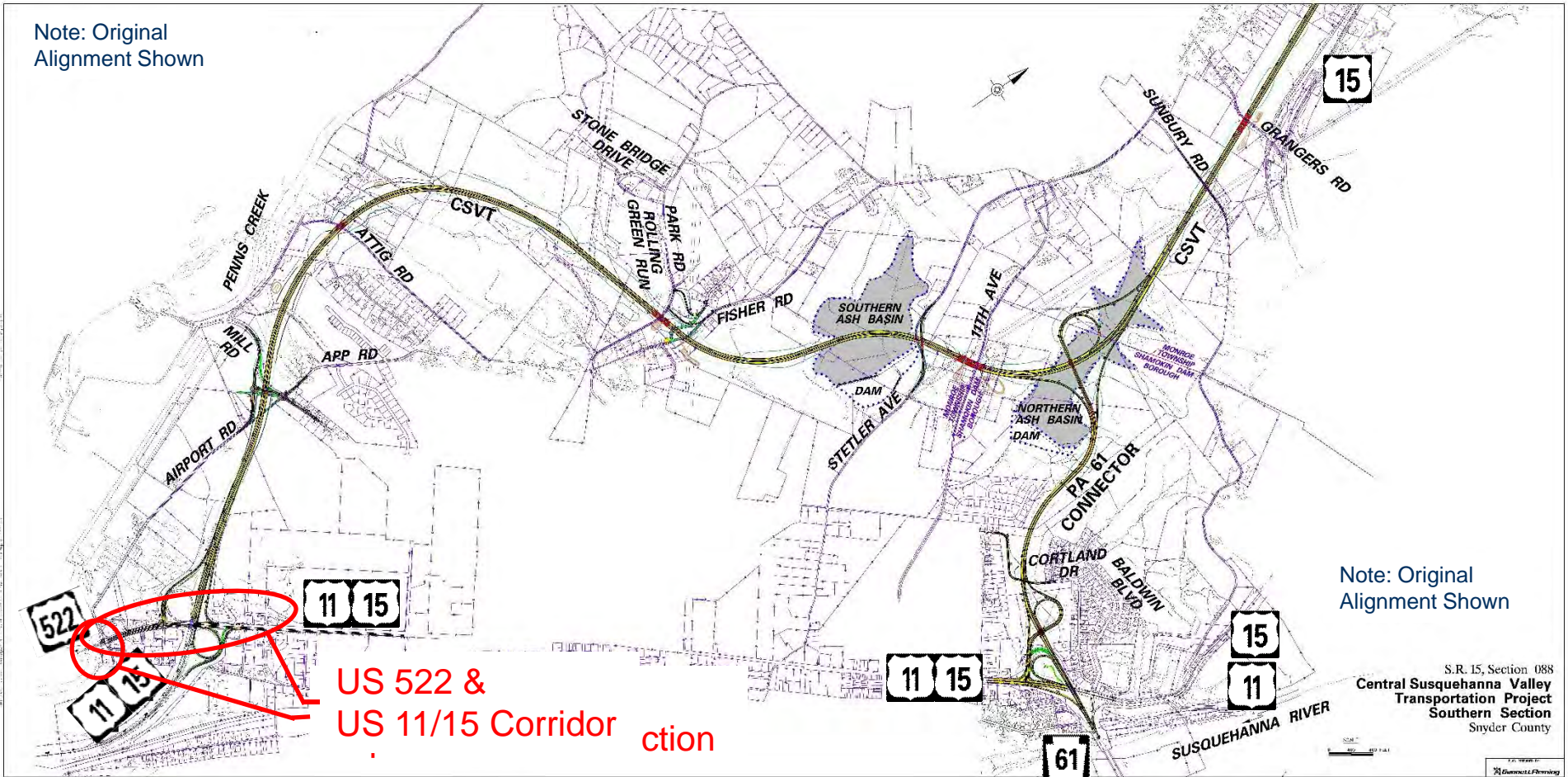
LEGEND

-  EXISTING ROADWAY REMOVAL
-  PROPOSED ROADWAY
-  BRIDGE WORK
-  PROPOSED STRUCTURE
-  PROPOSED SIGNAL
-  EXISTING SIGNAL



Example Only

DESIGN CHANGES

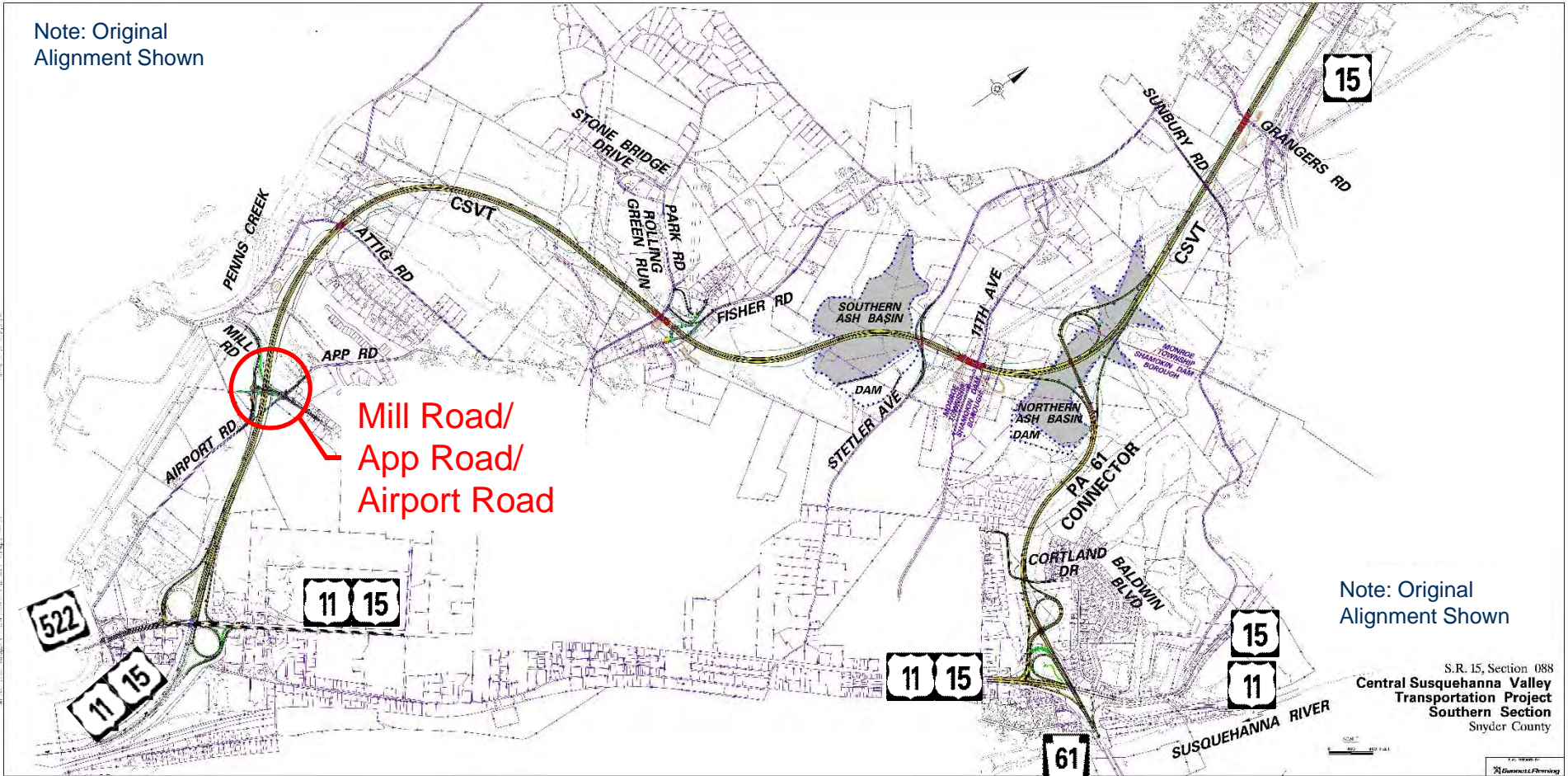


DESIGN CHANGES

US 522 / Airport Road Intersection – Proposed Improvements



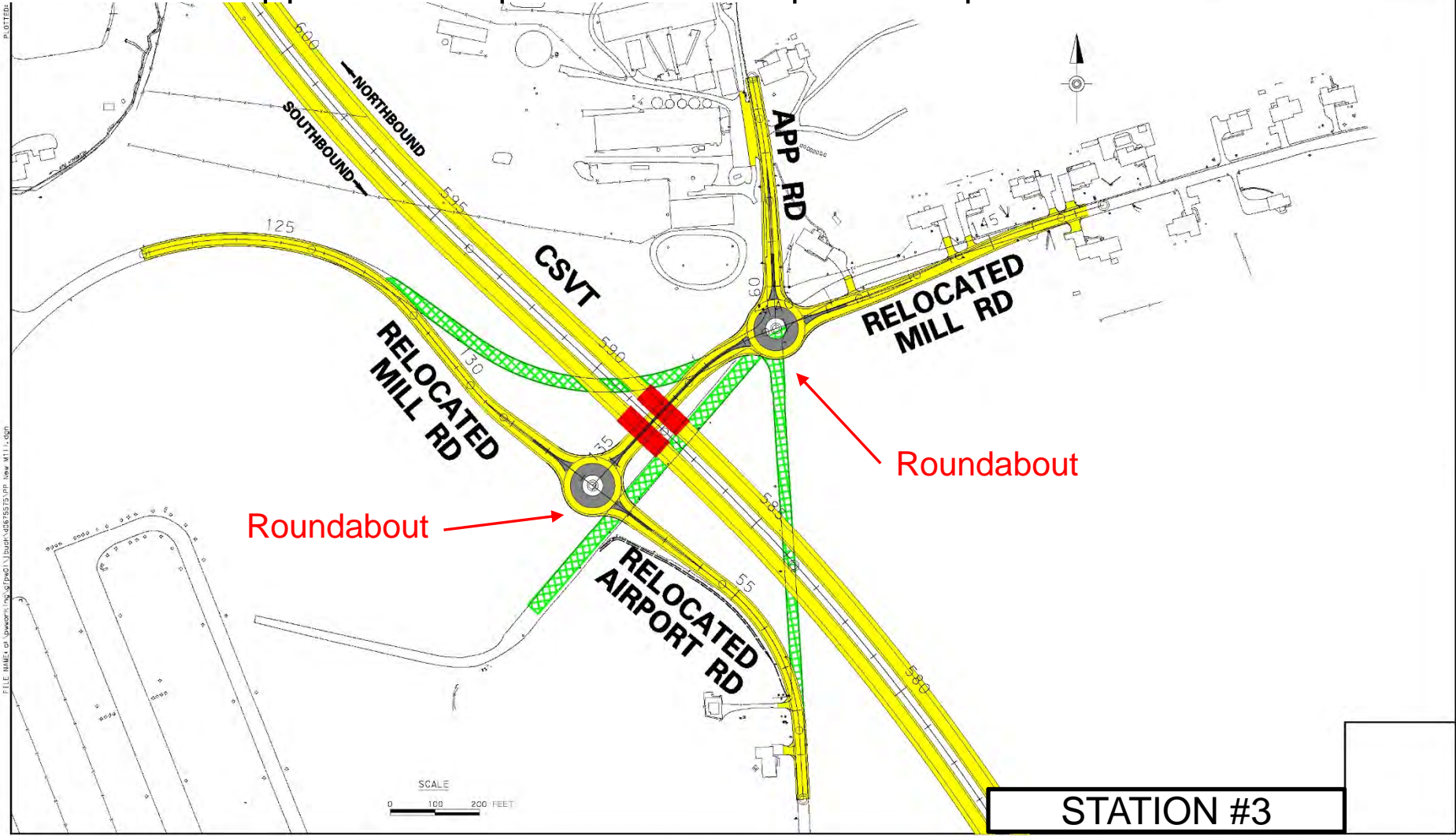
DESIGN CHANGES



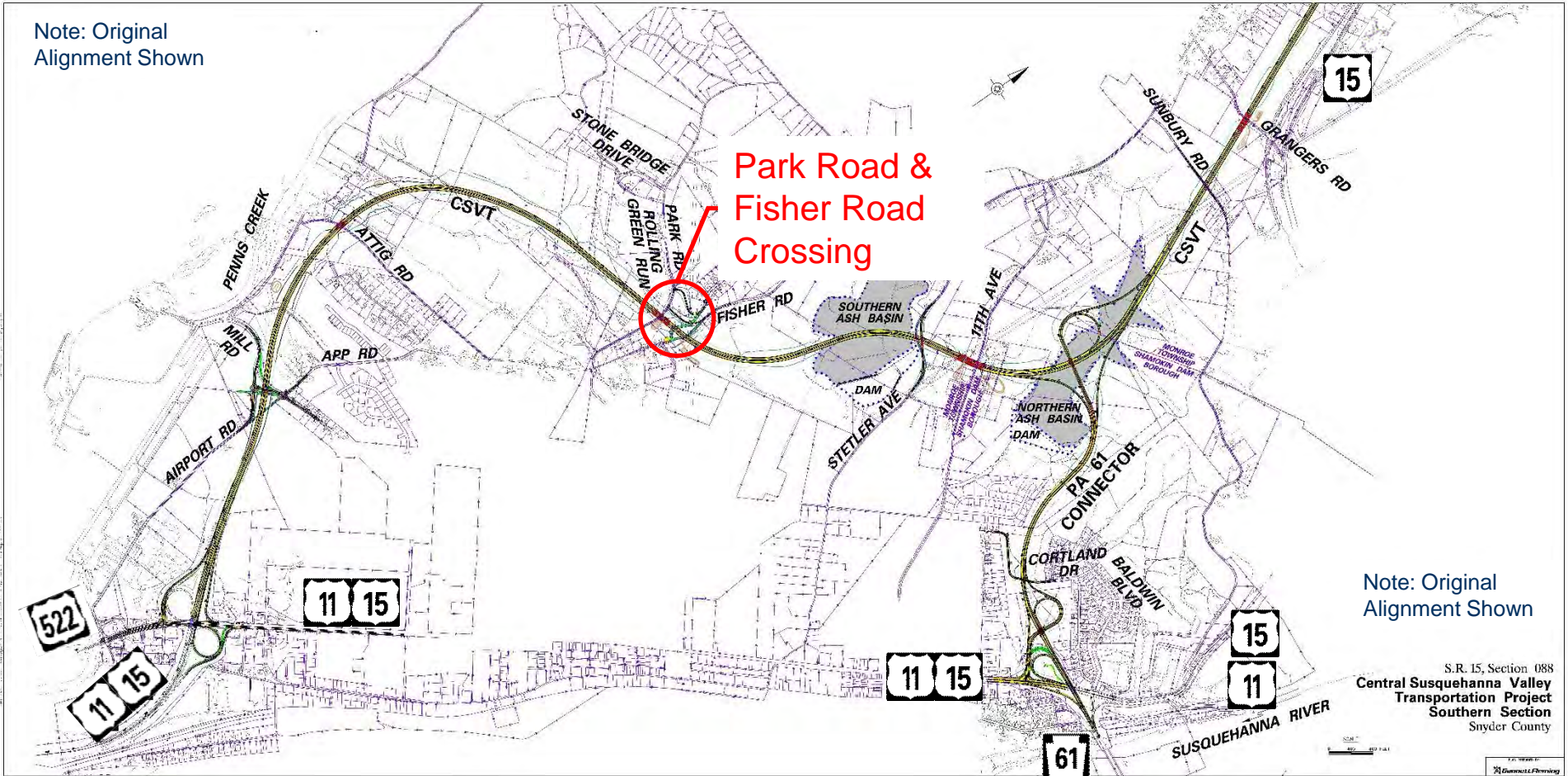
DESIGN CHANGES

Mill Road/App Road/ Airport Road – Proposed Improvements

DIST	COUNTY	ROUTE	SECTION	SHEET
0	SNYDER	15	088	08
MONROE TOWNSHIP				
NO.	REVISIONS	DATE	BY	



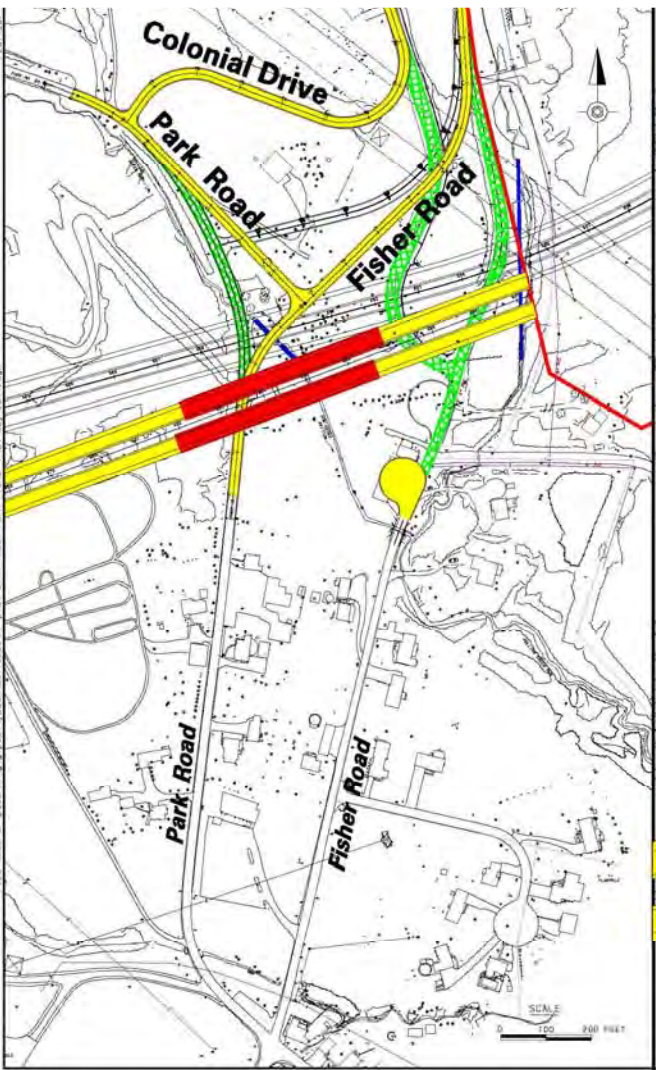
DESIGN CHANGES



DESIGN CHANGES

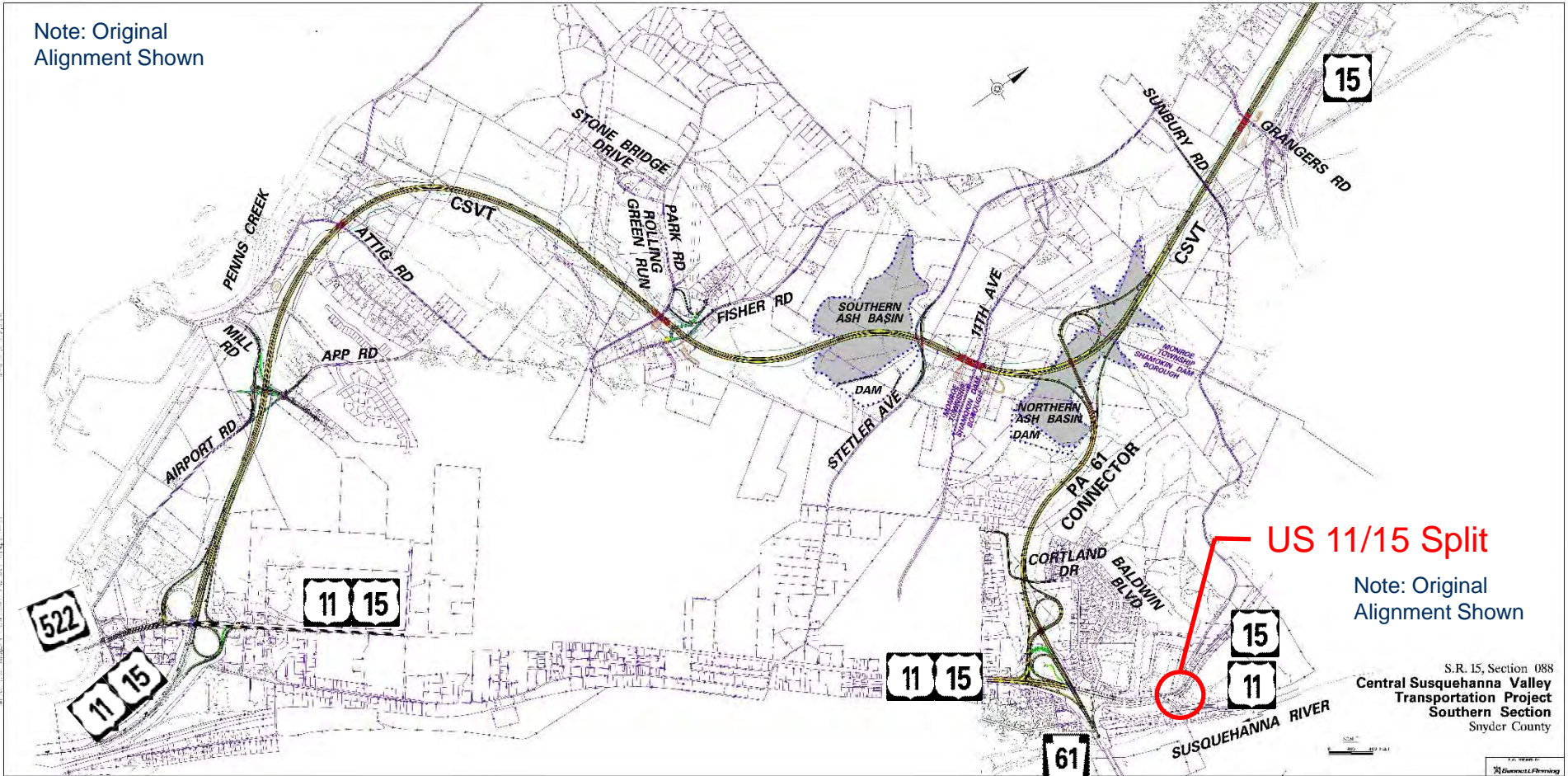
Park Road & Fisher Road Crossing – Proposed Improvements

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
3-0	SNYDER	15	088	08
MONROE TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

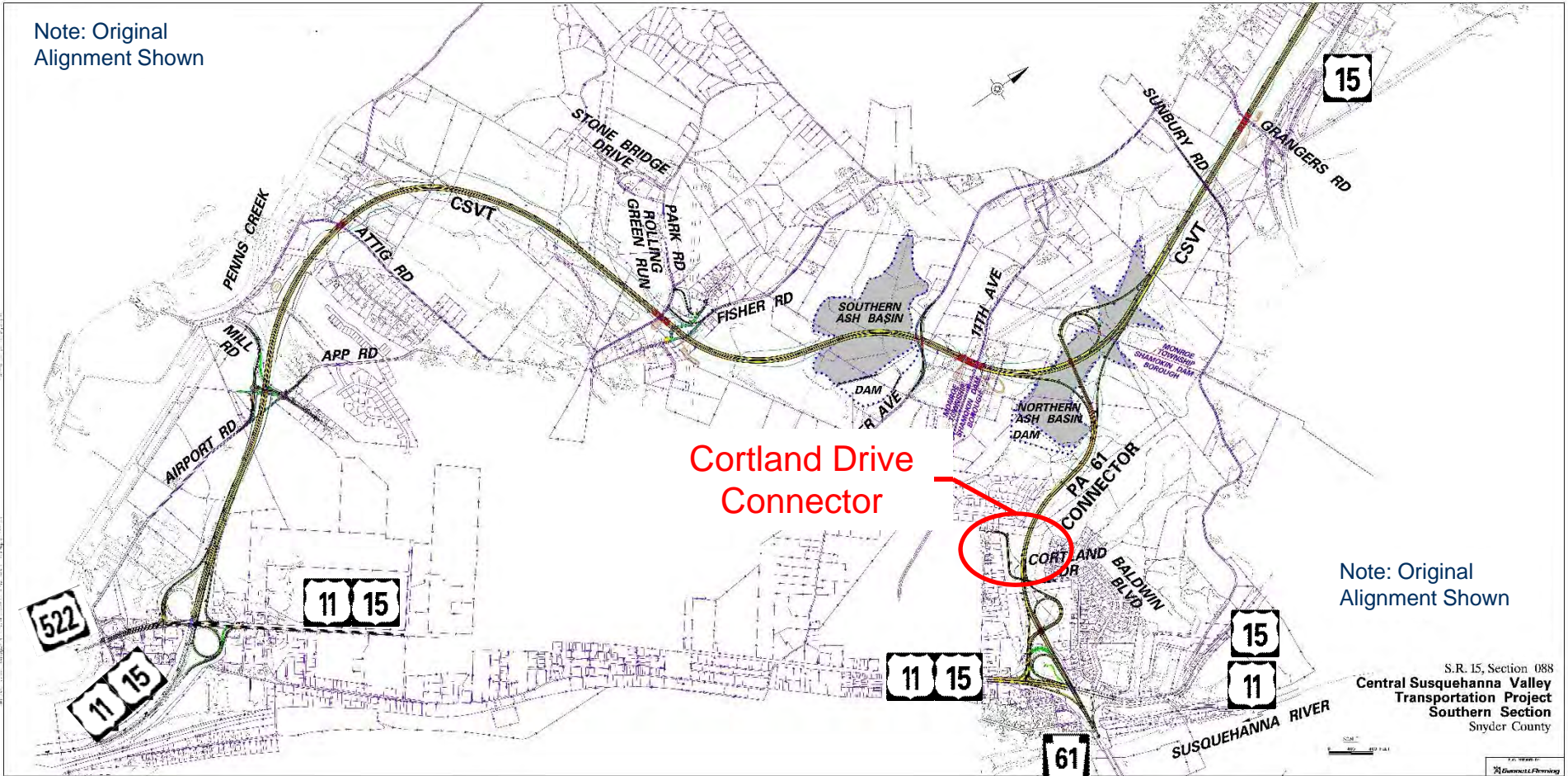


STATION #3

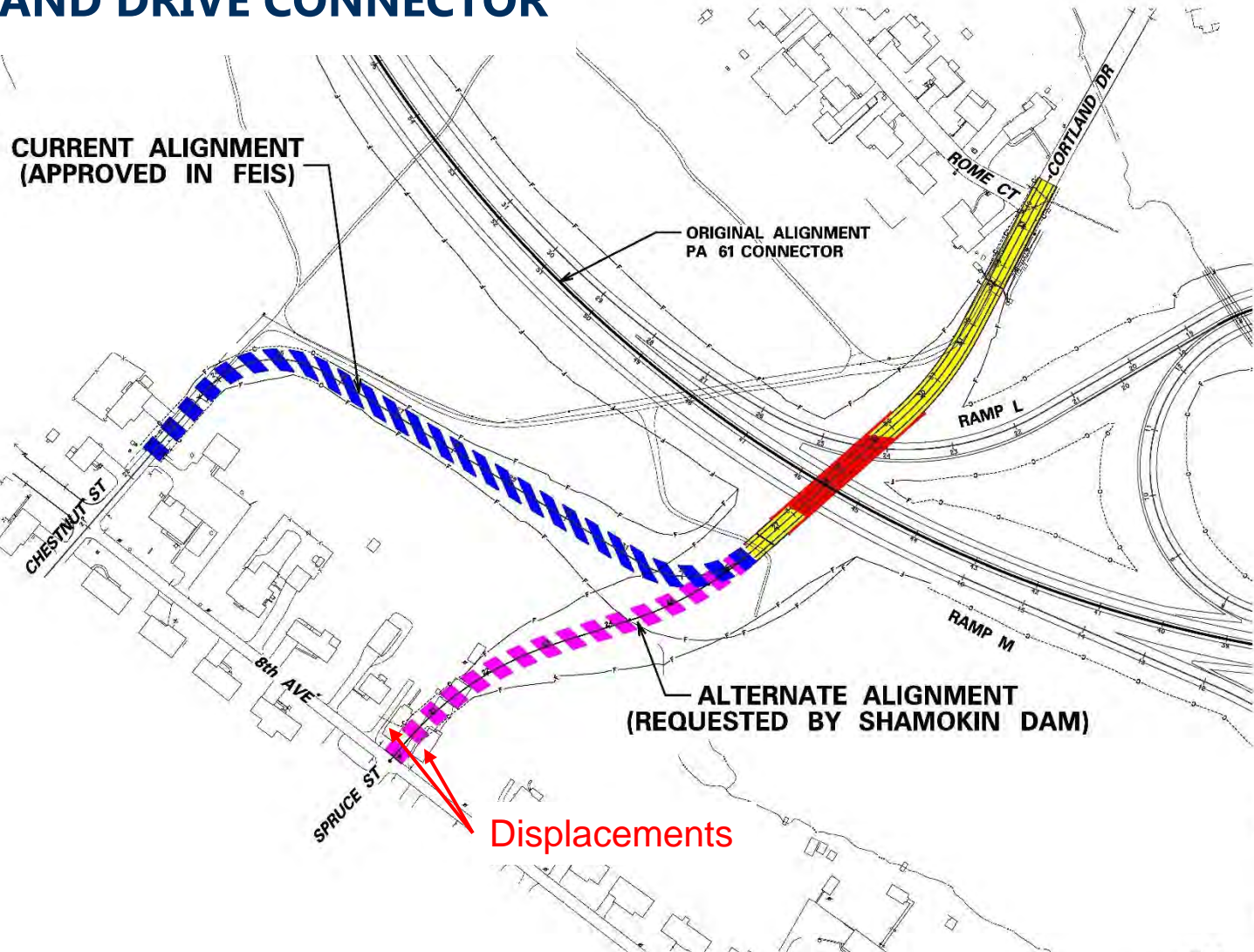
DESIGN CHANGES



DESIGN CHANGES



CORTLAND DRIVE CONNECTOR

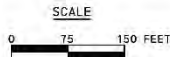


STATION #3



**PRELIMINARY
MAY 2017**

S.R. 15, Section 088
**Central Susquehanna Valley
Transportation Project
Southern Section**
Snyder County

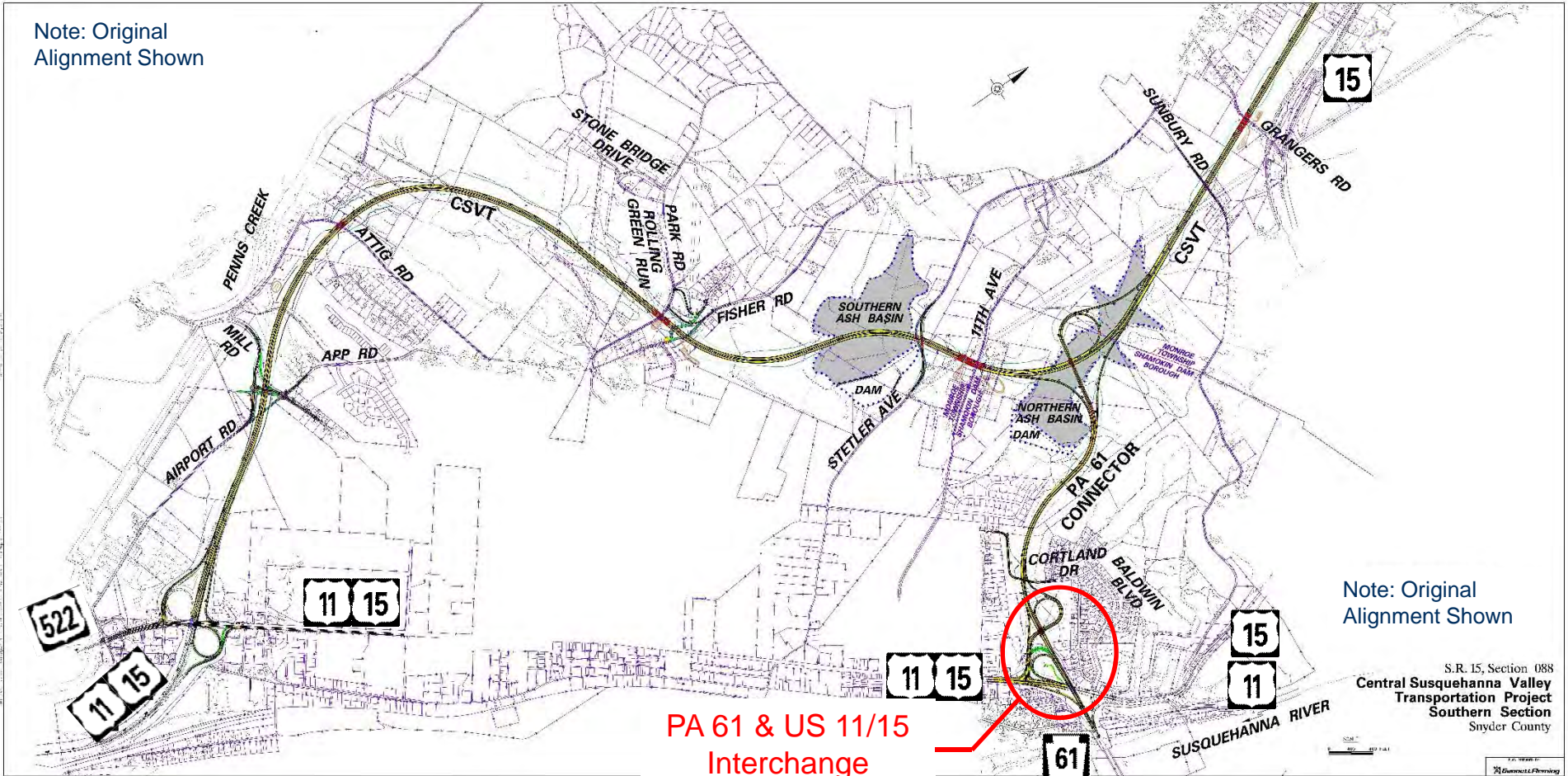


SURVEY RESULTS – Cortland Drive Connector

- Even support - Current Alignment vs. Alternate Alignment
- Questions on need for Cortland Connector
 - Connector purpose:
 - maintains connection of neighborhoods
 - provides alternate access in case of emergency
- Concerns over neighborhood traffic volumes
 - No direct connection between Cortland and PA 61 Connector
 - Only local traffic anticipated
- **Carrying both alignments forward for now**
- **Will make decision and announce at next meeting**



DESIGN CHANGES



NEED FOR PA 61 CONNECTOR

- PA 61 Connector helps CSVT accomplish its purpose
 - Reduce congestion
 - Improve safety – particular attention to trucks and through traffic
 - Ensure sufficient capacity for growth



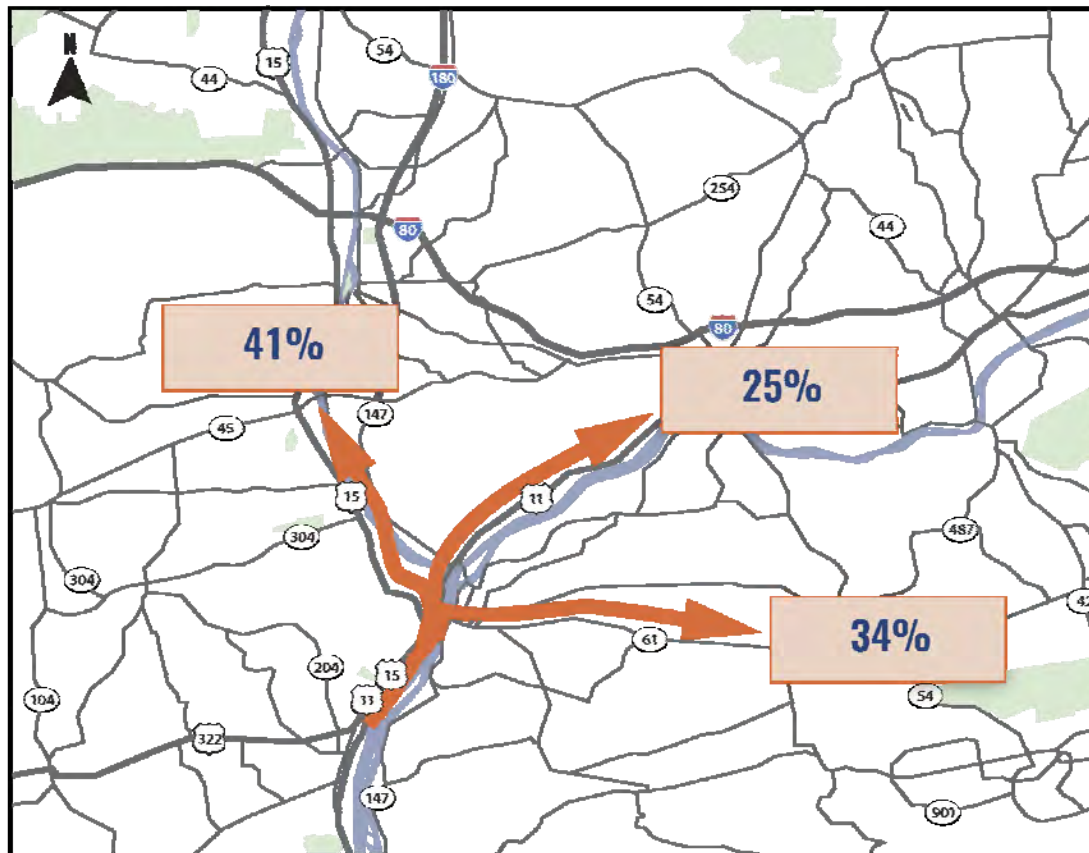
SUNBURY BUSINESSES

- Weis Markets – moved dry goods; expanding dairy
- Wirerope Works – still in operation
- Bimbo Bakeries (formerly Holsum) – did shut down bakery; still has a distribution center operating



VERIFYING CURRENT TRAFFIC PATTERNS

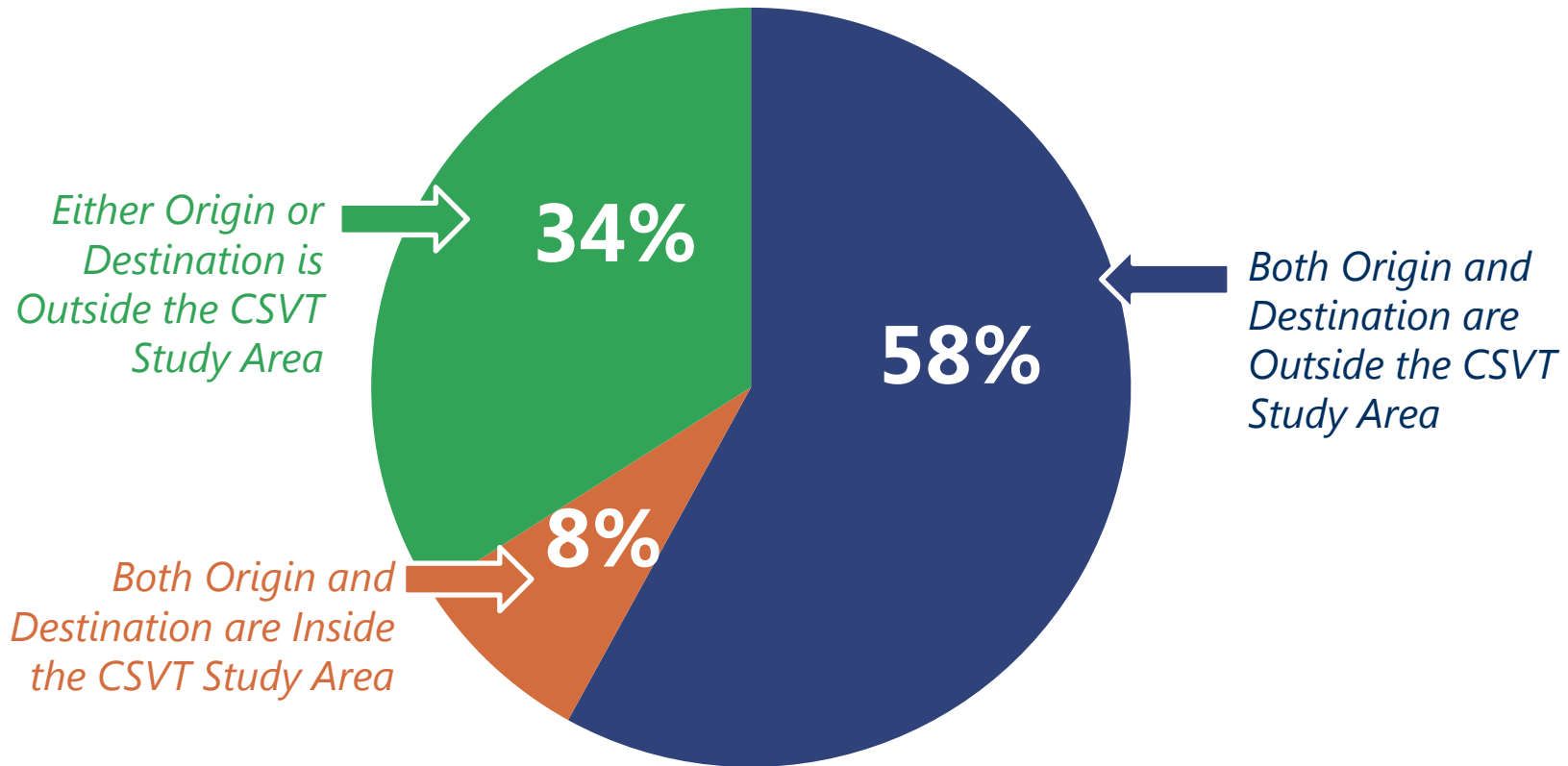
Car Traffic



- *Project traffic data was verified using 2015-2016 data.*
- *Current traffic patterns are very similar to previous data.*

VERIFYING CURRENT TRAFFIC PATTERNS

Truck Traffic



- CSVT and PA 61 Connector allow for separation of trucks and through traffic from local traffic.

BENEFITS OF PA 61 CONNECTOR

- Reduce Congestion / Ensure Sufficient Capacity for Growth

PA 61 Connector will attract 15,000 - 20,000 vehicles per day by 2044 and will have the following effect on area roadways:



Increases use of CSVT
(up to 15-20% more traffic)



Reduces traffic on US 11/15 from Shamokin Dam to Selinsgrove
(up to 20-25% less traffic)



Reduces traffic on PA 147 through Northumberland Borough
(up to 25-30% less traffic)

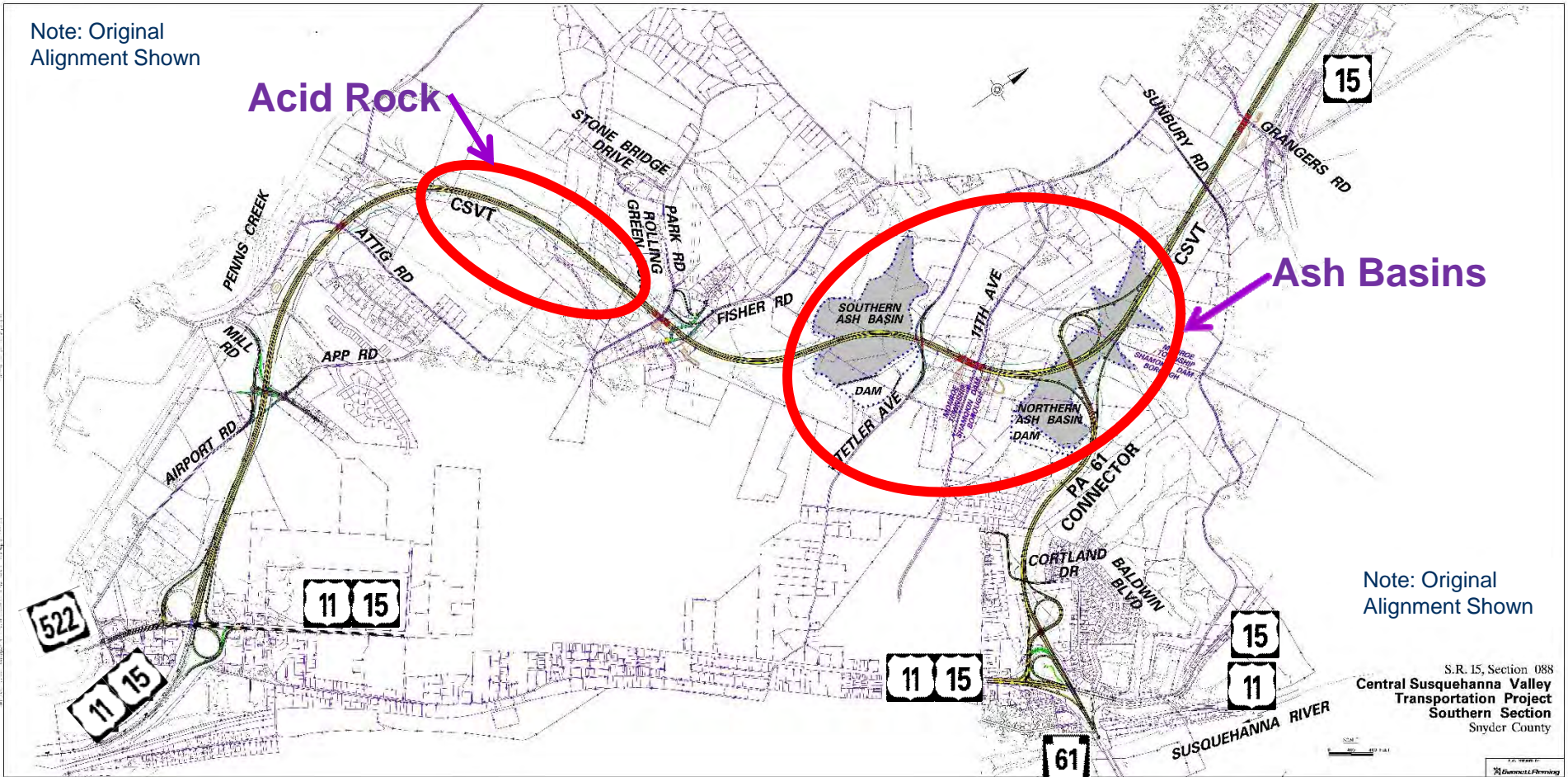
ADDITIONAL BENEFIT OF PA 61 CONNECTOR

- Will serve as alternate route during...
 - Flooding
 - Incidents



ENGINEERING CHALLENGES

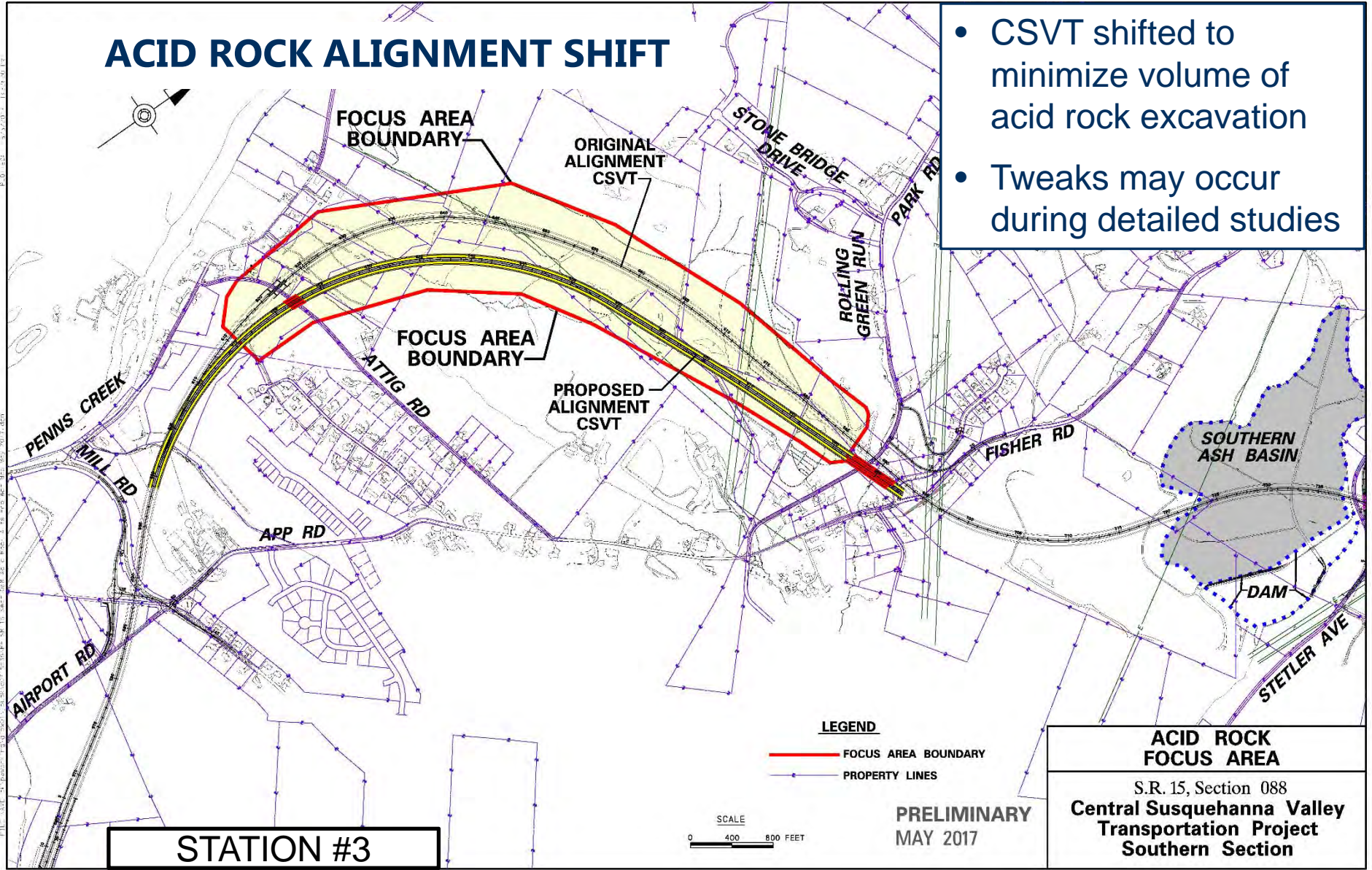
Note: Original Alignment Shown



Note: Original Alignment Shown

S.R. 15, Section 088
Central Susquehanna Valley
Transportation Project
Southern Section
Snyder County

ACID ROCK ALIGNMENT SHIFT



- CSVT shifted to minimize volume of acid rock excavation
- Tweaks may occur during detailed studies

LEGEND

- FOCUS AREA BOUNDARY
- PROPERTY LINES

SCALE
0 400 800 FEET

**PRELIMINARY
MAY 2017**

**ACID ROCK
FOCUS AREA**
S.R. 15, Section 088
**Central Susquehanna Valley
Transportation Project
Southern Section**

SURVEY RESULTS – Ash Basins

- Move CSVT off fly ash waste basins
- Protect the environment
- Issue should have been identified sooner



TIMELINE – CSVT and ASH BASINS

Late 1990s – CSVT moved on top of ash basins

2008 – Southern Section halted (lack of funding)

2015 – Southern Section restarted; final design began

Spring 2016 – Soil borings performed

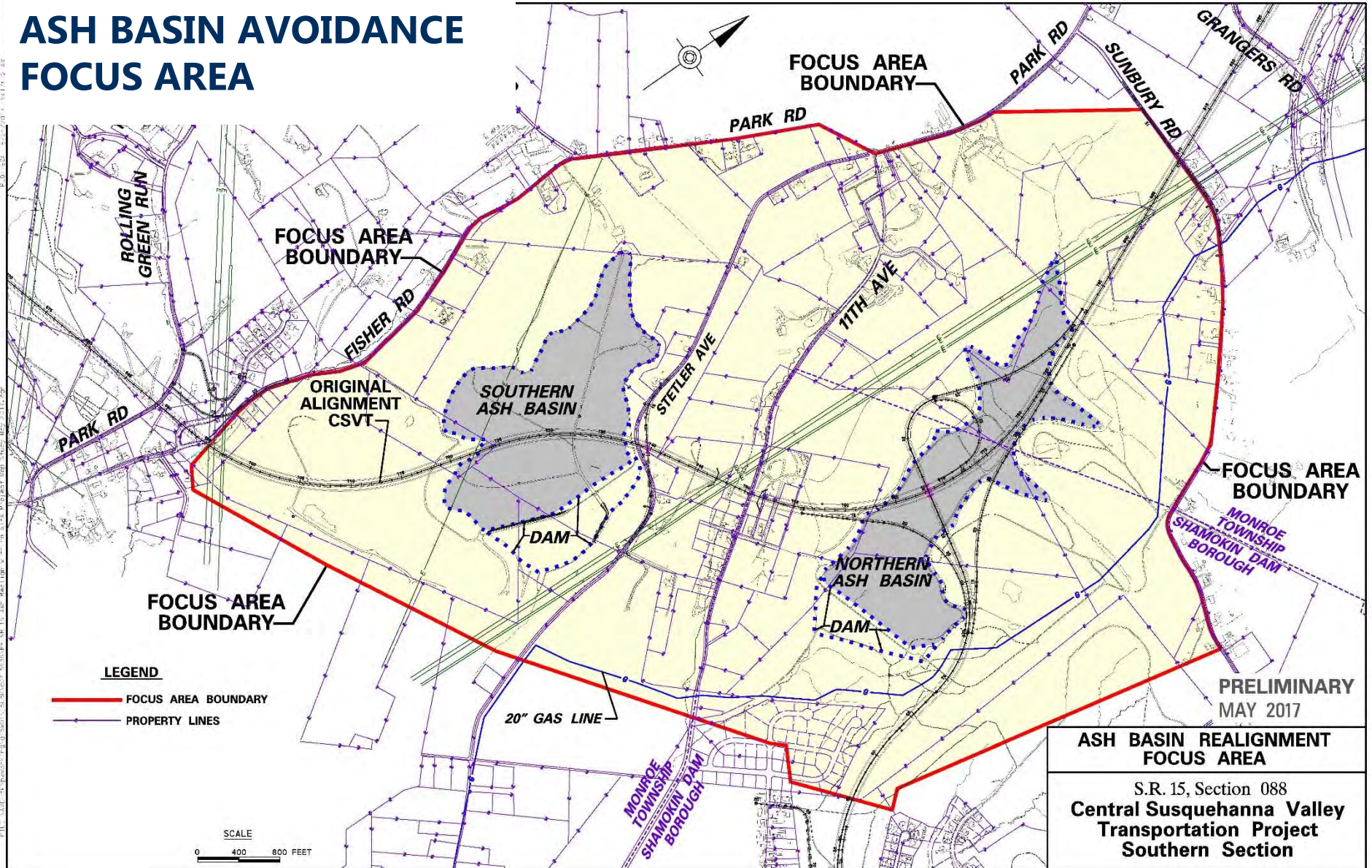
Summer 2016 – Geotechnical analysis – stability issue identified

Fall 2016

- Coordinated with PADEP and FHWA
- Alternatives studied to keep CSVT on ash basins
- Decision made to move CSVT off ash basins

January 2017 – Press release issued

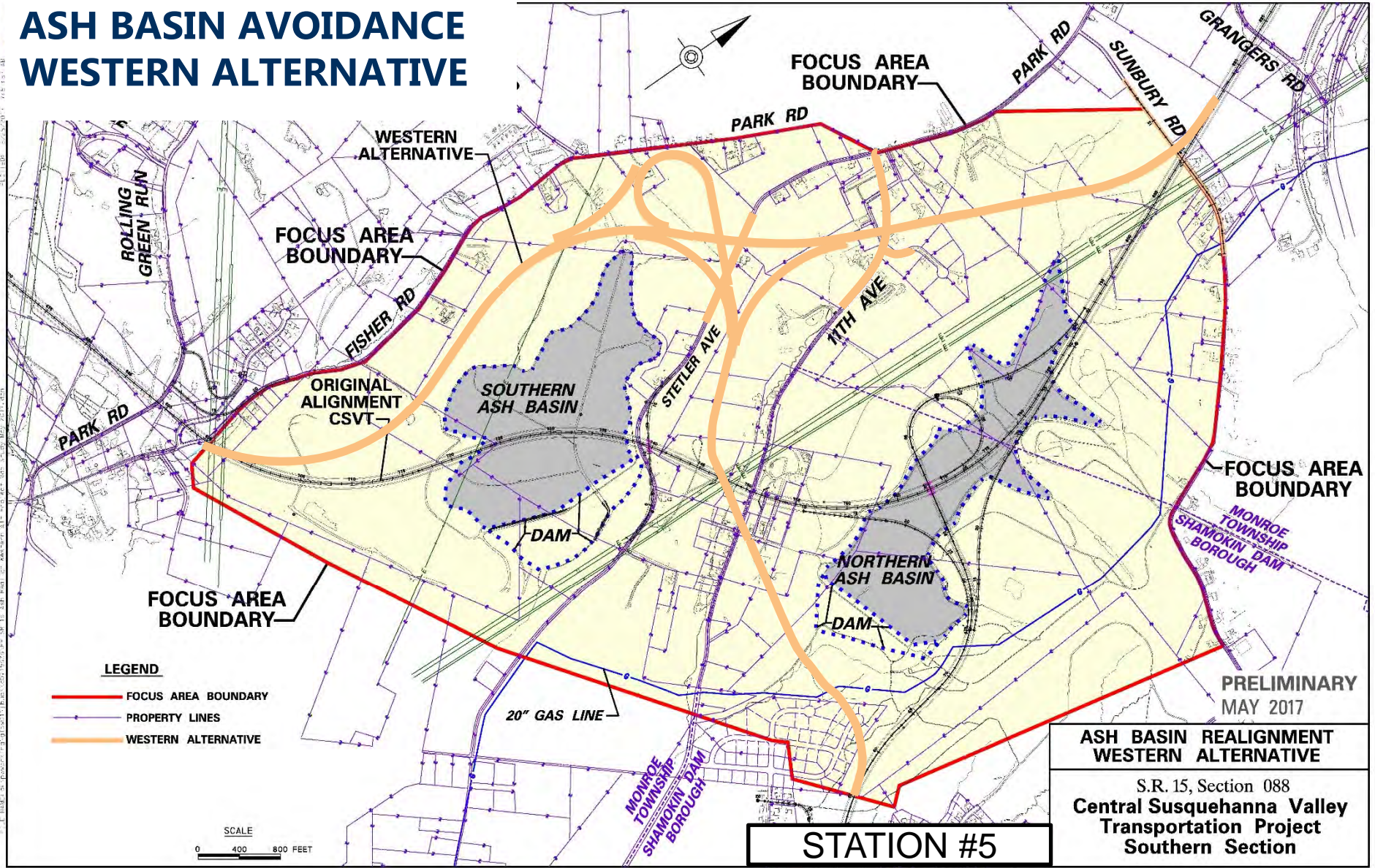
**ASH BASIN AVOIDANCE
FOCUS AREA**



**ASH BASIN REALIGNMENT
FOCUS AREA**

S.R. 15, Section 088
**Central Susquehanna Valley
Transportation Project
Southern Section**

**ASH BASIN AVOIDANCE
WESTERN ALTERNATIVE**

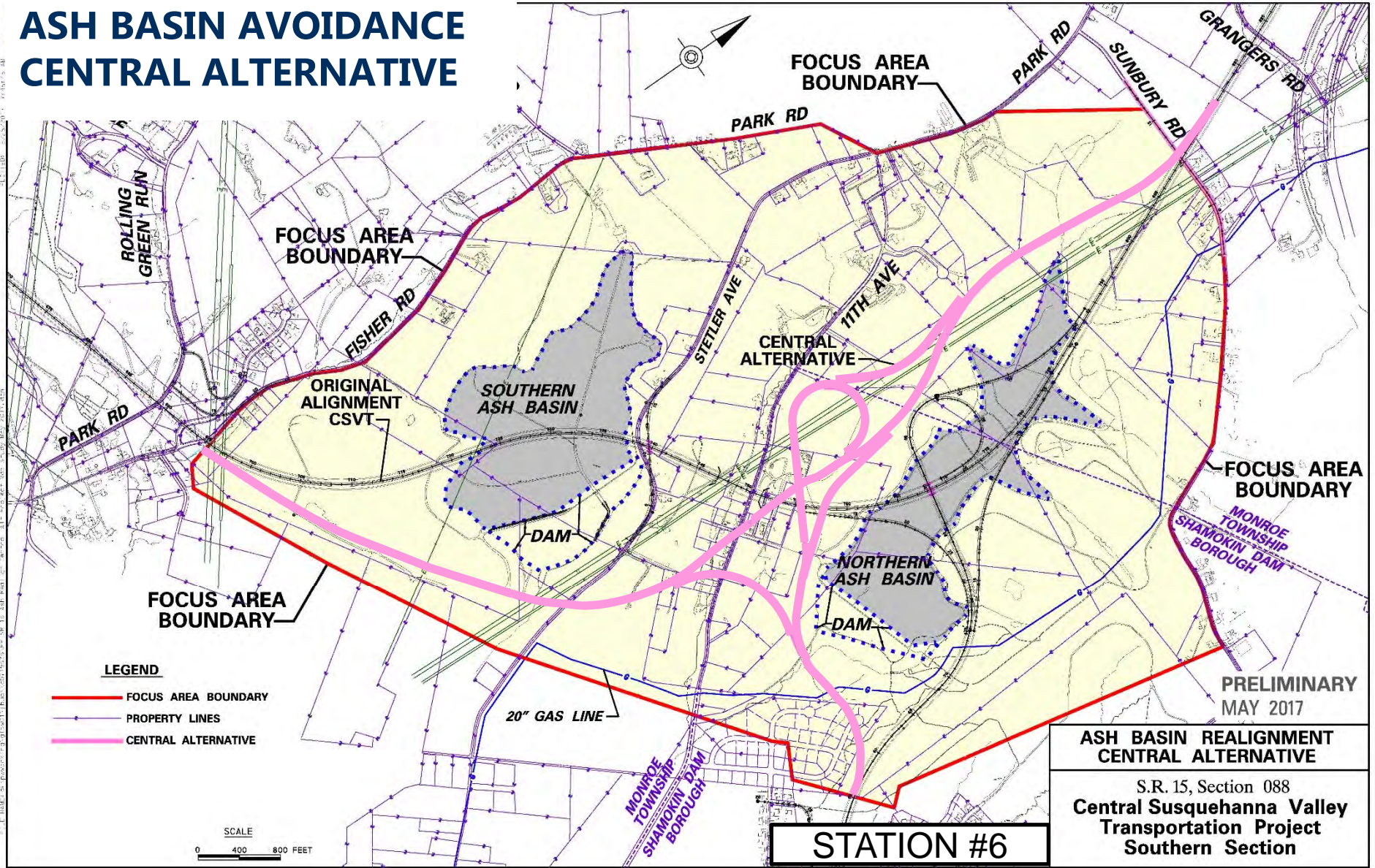


PRELIMINARY
MAY 2017

**ASH BASIN REALIGNMENT
WESTERN ALTERNATIVE**

S.R. 15, Section 088
**Central Susquehanna Valley
Transportation Project**
Southern Section

**ASH BASIN AVOIDANCE
CENTRAL ALTERNATIVE**



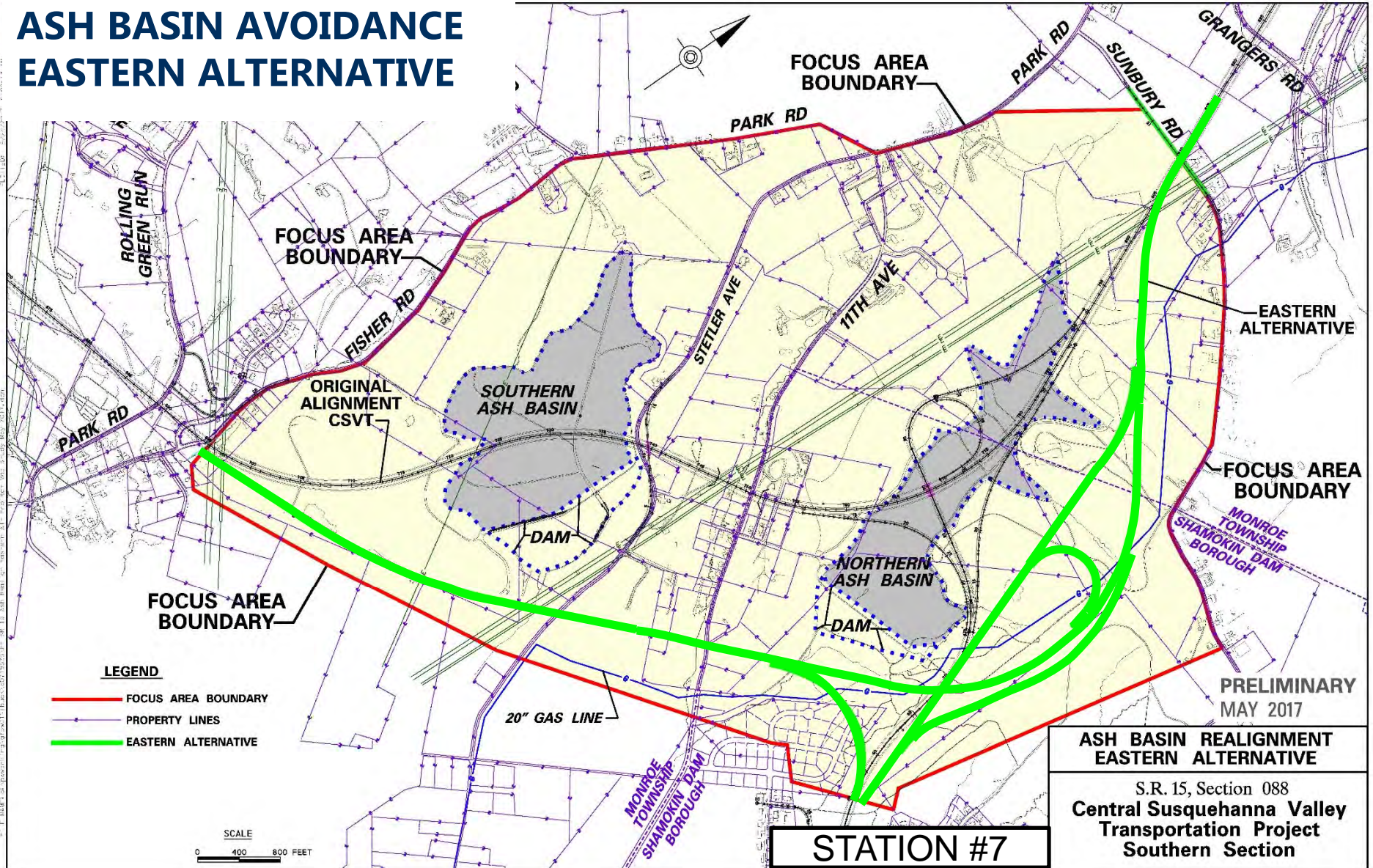
PRELIMINARY
MAY 2017

**ASH BASIN REALIGNMENT
CENTRAL ALTERNATIVE**

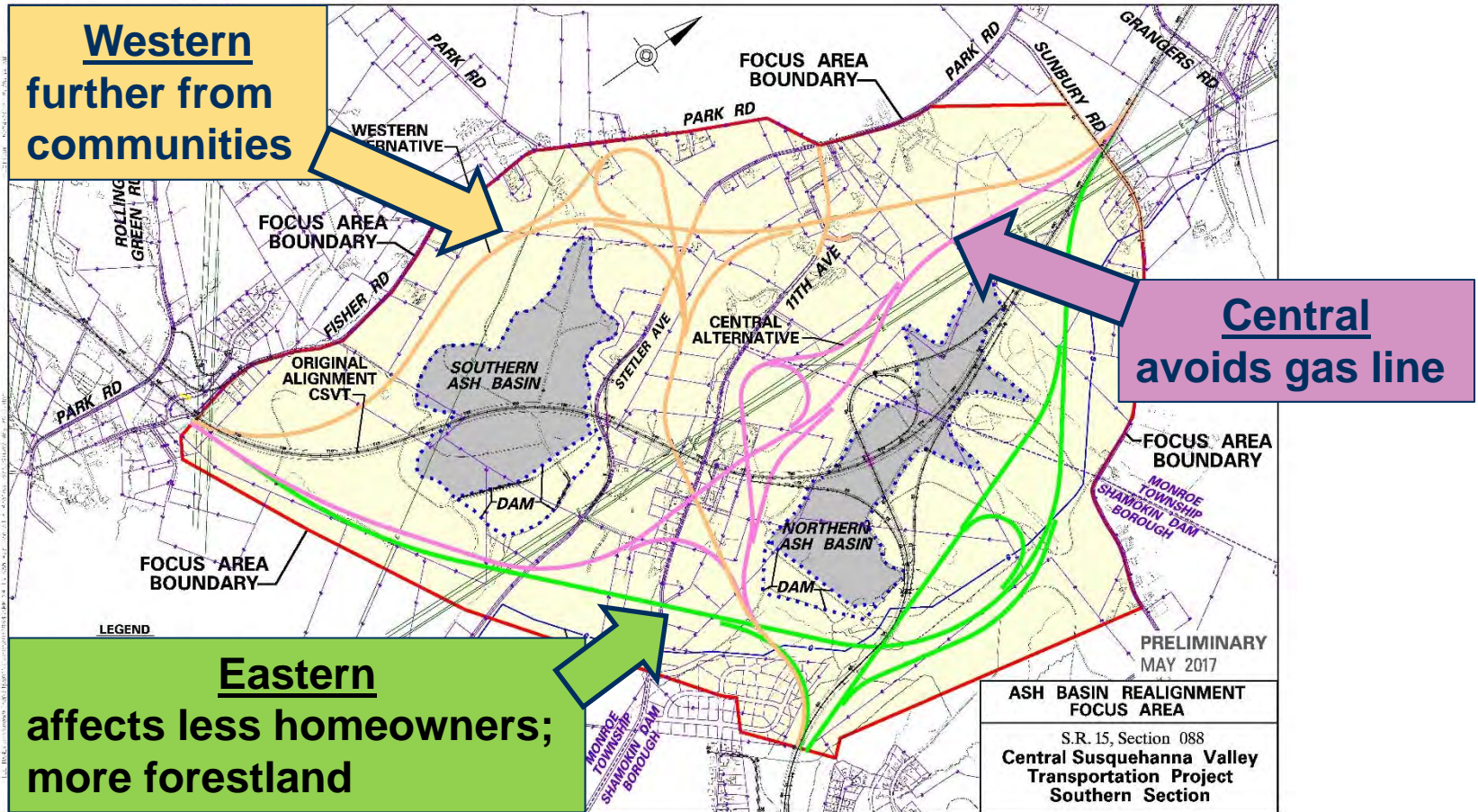
S.R. 15, Section 088
**Central Susquehanna Valley
Transportation Project
Southern Section**

STATION #6

**ASH BASIN AVOIDANCE
EASTERN ALTERNATIVE**



SURVEY RESULTS – Alternative Corridors



ASH BASIN AVOIDANCE ALTERNATIVES

- **Western Alternative**

STATION #5

- **Central Alternative**

STATION #6

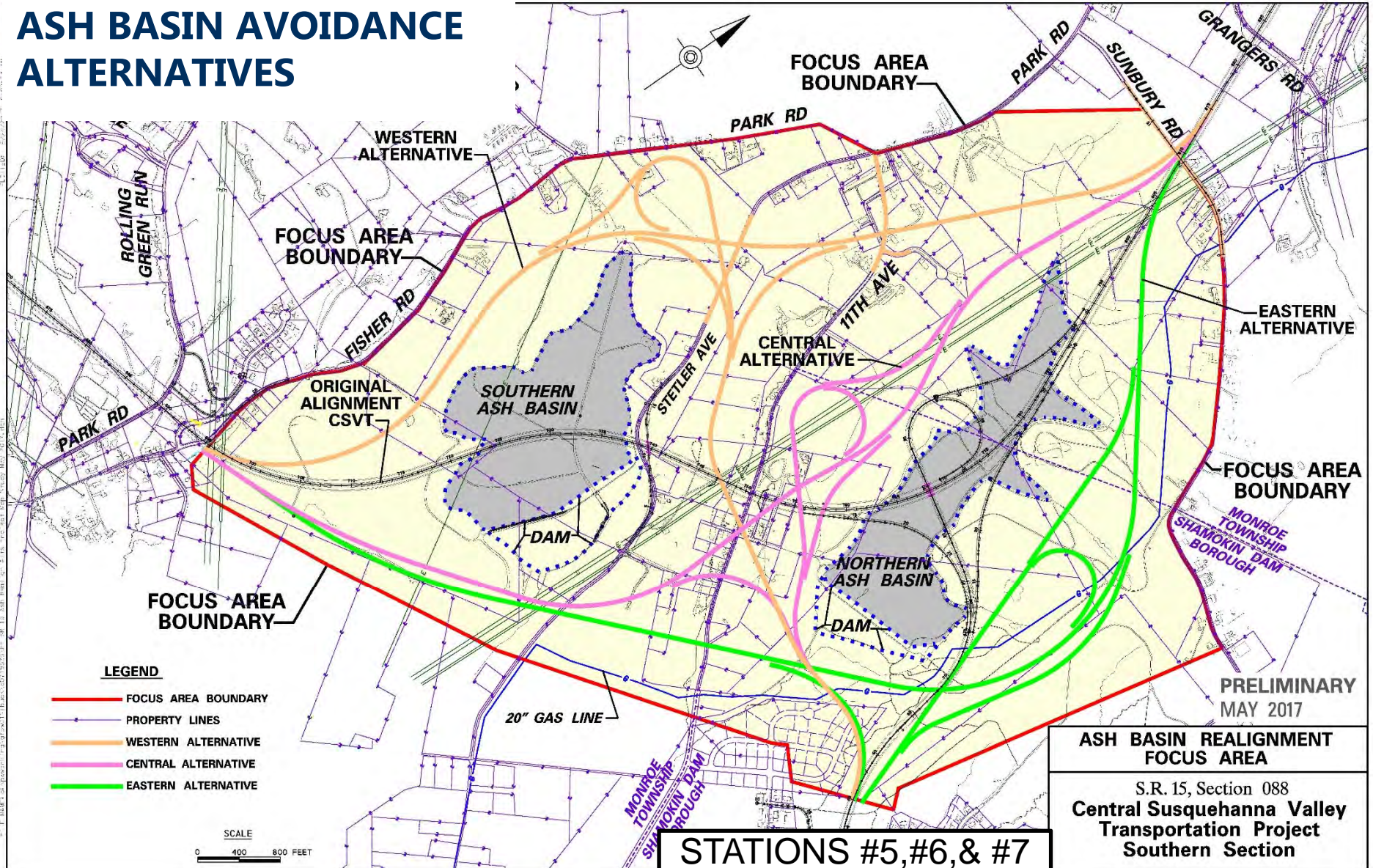
- **Eastern Alternative**

STATION #7

- **Comparison Tables**

STATION #8

**ASH BASIN AVOIDANCE
ALTERNATIVES**



IMPORTANT NOTES CONCERNING ALTERNATIVES

1. All three alternatives will reduce congestion, improve safety, and accommodate growth.
2. Alternatives presented are preliminary.
 - » Developed to a reasonable level to solicit feedback
3. Adjustments to alternatives may occur due to...
 - » Feedback from public, municipalities, agencies
 - » Detailed environmental studies
 - » Detailed engineering studies

NEXT STEPS

- Detailed studies – Summer 2017
 - Engineering
 - detailed mapping
 - geotechnical testing and analysis
 - earthwork balance
 - stormwater management

* May require entry to property



STATION #11

NEXT STEPS

- Detailed studies – Summer 2017
 - Environmental
 - streams and wetlands
 - communities
 - farmlands
 - noise
 - cultural resources
 - visual

* May require entry to property



STATIONS #9, #11

NEXT STEPS

- Detailed studies – Summer 2017
 - Coordinate with:
 - FHWA
 - Environmental agencies
 - Local officials
 - Utilities
 - Impacted land owners
 - Other stakeholders



STATION #11

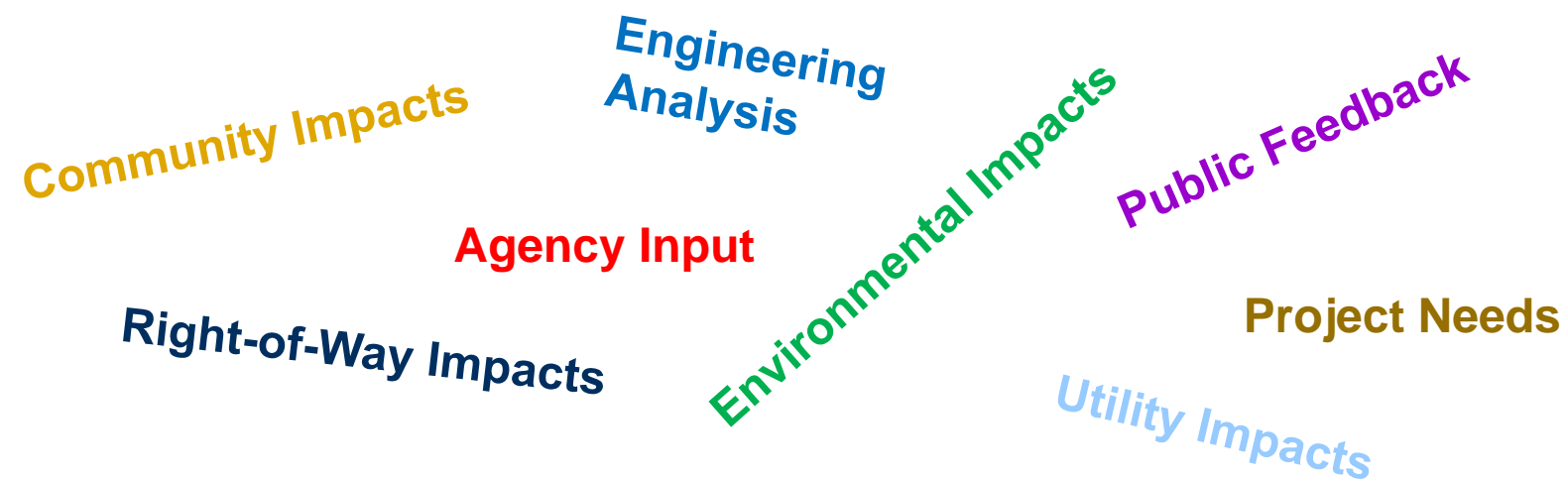
NEXT STEPS

- Public Meeting #3 – Fall 2017
 - Present results of detailed studies
 - Present preferred alternative
 - Present Cortland Drive Connector alignment
 - Collect feedback

STATION #11

HOW WILL PREFERRED ALTERNATIVE BE CHOSEN?

- Review and consider many factors

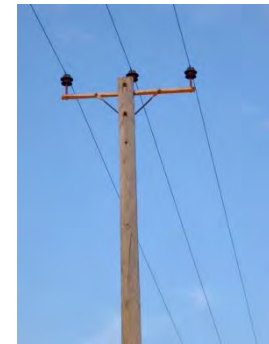


- No formula; no computer program
- Choose alternative that is the best overall

STATION #11

NEXT STEPS

- Project Completion
 - environmental clearance
 - final design
 - mitigation
 - right-of-way acquisition
 - utility relocations
 - permitting
 - construction



STATION #11

NEXT STEPS

- Mitigation
 - Examples
 - Minor design adjustments
 - Slope changes
 - Noise barriers
 - Access adjustments
 - Landscaping
 - Construction restrictions
 - Environmental mitigation



STATION #11

PROJECT SCHEDULE

- Goal is that preferred alternative to avoid ash basins will be identified by Fall 2017.
- After working through engineering challenges, proceed in most efficient manner to complete design.



MEETING “TAKE-AWAYS”

- CSVT is moving forward. Its long-term benefits for the region are coming.
- Currently considering 3 alternatives to avoid ash basins
 - Alternatives will be adjusted as a result of detailed studies, feedback, and impact minimization.
- Anticipate presenting preferred alternative in Fall 2017
- Will be evaluating opportunities for mitigation

YOUR FEEDBACK IS IMPORTANT!

- Ways to provide feedback tonight:
 - Open house
 - Questionnaire
 - » Fill out in gym
 - » Take home and mail / email
 - » Complete online – csvt.com



HOW DO I GET INFORMATION?

- Attend Public Meetings
- Visit Project Web Site – csvt.com

- Contact PennDOT District 3-0

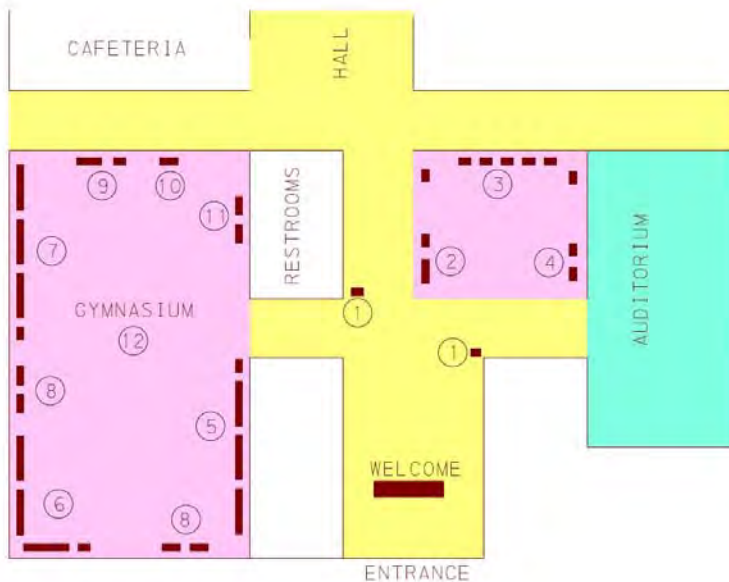
Matthew Beck, P.E., Assistant Plans Engineer

matbeck@pa.gov

570-368-4256



OPEN HOUSE LAYOUT



STATION ① - INFORMATION & DISPLAY LAYOUT

DISPLAY LAYOUT

STATION ② - CSVT NORTHERN SECTION

CSVT NORTHERN SECTION PLAN WITH CONSTRUCTION PHOTOS
CSVT NORTHERN SECTION STATUS AND SCHEDULE

STATION ③ - DESIGN CHANGES

US 522 AND AIRPORT ROAD INTERSECTION
MILL/APP/AIRPORT ROADS ROUNDABOUTS
BENEFITS OF ROUNDABOUTS
ACID ROCK FOCUS AREA
PARK ROAD AND FISHER ROAD CROSSING
CORTLAND DRIVE CONNECTOR - WESTERN & CENTRAL ALTERNATIVES
CORTLAND DRIVE CONNECTOR - EASTERN ALTERNATIVE

STATION ④ - PA 61 CONNECTOR

CURRENT TRAVEL PATTERNS
BENEFITS OF PA 61 CONNECTOR

STATION ⑤ - WESTERN ALTERNATIVE

ASH BASIN FOCUS AREA
WESTERN ALTERNATIVE

STATION ⑥ - CENTRAL ALTERNATIVE

ASH BASIN FOCUS AREA
CENTRAL ALTERNATIVE

STATION ⑦ - EASTERN ALTERNATIVE

ASH BASIN FOCUS AREA
EASTERN ALTERNATIVE

STATION ⑧ - ALTERNATIVES COMPARISON

ENGINEERING CHARACTERISTICS COMPARISON
ENVIRONMENTAL IMPACTS COMPARISON

STATION ⑨ - ENVIRONMENTAL TOPICS

ASH BASIN FOCUS AREA ENVIRONMENTAL FEATURES
NOISE ABATEMENT PROCESS

STATION ⑩ - RIGHT-OF-WAY

CSVT RIGHT-OF-WAY

STATION ⑪ - ANTICIPATED NEXT STEPS

ANTICIPATED NEXT STEPS
ANTICIPATED NEXT STEPS - CONTINUED

STATION ⑫ - QUESTIONNAIRE

THANK YOU!!

*We Really Appreciate Your Time
and Input !!*



Excellence Delivered As Promised