

## Appendix A: Meeting Minutes



## MINUTES

**TO:** Dominic D'Andrea, Southwestern Pennsylvania Commission

**FROM:** Anthony Castellone, Pennoni Associates Inc.

**DATE:** January 4, 2019

**OTHERS:** Josh Spano, Evan Schoss, Stan Niemczak, Steve Cunningham, Adam Smith, Mario Toscano, Allie Slizofski

**SUBJECT:** On-Call Consultancy Services  
Work Order 1 Pre-Kick-Off – Regional Operations Plan Update

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A project coordination Teleconference commenced at 3:00 PM for the subject project. This project is the update of SPC's Regional Operations Plan (ROP) last revised for 2014-15.

The salient points of this meeting were as noted:

1. Brief conference call to establish first Steering Committee and Stakeholder Meetings for ROP update.
2. Jacobs needs about 2 weeks to prepare materials. Approximately 1-2 hrs needed for initial Steering Committee meeting and 2-3 hrs needed for initial Stakeholder Committee meeting.
3. First meetings will be located at SPC. Subsequent Stakeholder Meetings will be at individual Districts 10, 11, 12.
4. SPC (D'Andrea) indicated that Planning Tab will not be completely filled-out with next Turbo file update for QA/QC.
5. ROP update needs to be consistent with "higher level" TSMO Guidelines (PennDOT).
6. A Multimodal section will be required as Port Authority of Allegheny County (PAAC) is the 2<sup>nd</sup> largest transit agency in the Commonwealth behind SEPTA.
7. Pennoni mentioned that Western Region is more urbanized than recent Central Region (rural) and questioned whether similar ROP format can be applied.

8. Per SPC, make-up of ROP Stakeholders will include: PennDOT (Traffic/ITS, Safety, Construction), Penna Turnpike and TMA's. PennDOT DE or ADE should be at "kick-off" meeting. Dom D'Andrea will shoot list to group for input.
9. Jacobs to provide Draft Agenda's prior to Kick-off meetings for review, comment at January 11 Coordination Call.
10. March 2019: Three PennDOT District Stakeholder Meetings over a period of 2-3 days anticipated. A Steering Committee meeting will also occur at SPC.

The meeting ended at approximately 4:00 PM.

**NEXT STEPS:**

1. Now: SPC to send Outlook Invite for first Steering Committee Meeting (January 16<sup>th</sup>)
2. Now: SPC to will provide SharePoint access to Key Team members; need names, emails, phone numbers
3. Jan 02: Jacobs to provide Draft Kick-Off Meeting Agenda's.
4. Jan 11: Quick Coordination Call before first meeting (after 3PM)
5. Jan 16: Steering Committee Kick-Off at SPC, 10am – Noon.
6. Jan 30: Stakeholder Meeting Kick-Off at SPC, 10am - Noon

## MINUTES

**TO:** Domenic D’Andrea, Southwestern Pennsylvania Commission

**FROM:** Anthony Castellone, Pennoni Associates Inc.

**DATE:** January 9, 2019

**OTHERS:** Frank Cavataio, Josh Spano, Evan Schoss, Stan Niemczak, Steve Cunningham, Adam Smith, Allie Slizofski, Jay Goldstein

**SUBJECT:** On-Call Consultancy Services  
Work Order 1 Coordination Mtg #2 – Regional Operations Plan Update

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A project coordination Teleconference commenced at 11:00 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for 2014-15. The objective of this meeting was to discuss the Steering Committee Meeting Kick-Off confirmed at SPC, 10am – Noon on January 16, 2019, specifically the Agenda and PowerPoint presentation.

The salient points for the discussion are as noted:

1. Steering Committee “Kick-Off” meeting confirmed for January 30, 2019 at SPC (10am – Noon).
2. Presenters and Agenda were determined, specifically
  - Welcome and Introductions – SPC (D’Andrea)
  - TSMO Overview – PennDOT (Cavataio)
  - ROP Process Overview – Jacobs (Niemczak)
  - Roadway Tiering System – Jacobs (Smith)
  - Stakeholder Meeting Planning – Jacobs (Cunningham)
  - Wrap-Up / Next Steps – Jacobs (Niemczak)
3. Western Region RTMC may cover projects outside of SPC region (e.g., PennDOT D1-0). Not enough budget in this ROP update to cover 8 additional counties, 1 PennDOT District and 2 MPO’s.
4. Meetings at PennDOT Districts within SPC’s region will occur in March and May.

5. Jacobs will “pull up” One Map via embedded PowerPoint link
6. SPC (D’Andrea) noted that Roadway Tiering System should include information regarding Trails, Transit Stops, Park-n-Rides and Bike Lanes. Some of this information can be provided by SPC for incorporation into “One Map” database. PennDOT Central Office will need access to SharePoint site.
7. Jacobs plans to bring Bottleneck, Congestion, Crash, etc. maps of Allegheny County.
8. SPC (D’Andrea) noted that the “Smart Moves” poll is part of the long-range planning process. Pennoni (Castellone) to share with Team.
9. PennDOT (Cavataio) noted that there are “different” goals between Stakeholders and Steering Committee members. The ROP is only one piece of the puzzle.
10. SPC (D’Andrea) noted that some projects were not captured in previous ROP.
11. Congested corridors in region in process of being updated by PennDOT BOMO.
12. The CMT site’s most recent update was 2015. The information is there, but site mapping is not working so well. PennDOT is in process of revamping the site to be consistent with FHWA performance metrics.

The meeting ended at approximately 11:50 AM.

**ACTIONS:**

1. Pennoni will bring PowerPoint presentation hand-outs for Steering Committee use and notes
2. SPC will provide sign-in sheet for attendees, minutes.
3. Jacobs to bring sample Allegheny County Congestion Maps, etc.
4. SPC will try to incorporate SPC data into PennDOT One Map prior to meeting.
5. SPC will get PennDOT BOMO access to project SharePoint site.
6. Pennoni to share SPC’s SmartMoves poll
7. SPC to provide Lunch at/around noon with “invoice” option for State employees for both Kick-Off Meetings.



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Steering Committee Meeting #1</b>
<b>Date / Time / Location</b>	<b>1-16-19 / 10:00 AM-12:00 PM / SPC Conference Center, Pittsburgh</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Steering Committee meeting commenced at 10:00 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss the relevance of needs identified in previous ROPs and provide overview of material to be presented at the first ROP stakeholder meeting. The salient points of this meeting were as noted:

## Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals indicating that the final ROP document will be a “working” planning document that outlines the need for Projects, Studies and Initiatives for the next 4+ years; including a summary of what has been completed from previous ROPs and what “remains” to be done.
2. A brief overview of the previous ROP was summarized, noting that Traffic Signal initiatives (e.g., ARLE, GLG, SINC/SINC-UP) and Traffic Incident Management System (TIMS) initiatives have been dominant; the latter producing two (2) strong TIM teams (Cranberry Township, PennDOT Tunnels) working with the state-wide PennTime team. A Freight Management Plan was completed in 2018.
3. Seven (7) priority areas from previous ROP are anticipated to remain with this update, depending on feedback received. *Team will need to confirm.*
4. SPC requested that *Steering Committee members advise the ROP Study Team of any suggested changes to Stakeholder lists provided.* ROP Steering Committee will see work products before ROP Stakeholders.
5. The Stakeholder “Kick-Off “meeting will be January 30 at SPC. Follow-up meetings at each PennDOT District have been scheduled.



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## **TSMO Overview**

6. A PowerPoint presentation by PennDOT Central Office (Cavataio) and Jacobs (Niemczak) included a brief Overview of the meaning and importance of TSMO (i.e., Performance Metrics), Regional ROP Process Overview, PennDOT’s TSMO Guidebook and One Map tool.
7. The TSMO Guidebook is the “roadmap to the ROP”.
  - PAST ROPs – Traditional project development process put “Operations” on sidelines
  - CURRENT ROP – Operations need to be integrated into Project Life Cycle
8. For the Central Region ROP, a pilot for future ROPs, 40 projects were prioritized while PennDOT noted that three (previous) ROPs were combined into one. SPC’s ROP update provides an opportunity to implement TSMO initiatives and “performance driven” projects.
9. PennDOT noted that the Western ROP Region includes *PennDOT District 1-0 which will be incorporated into SPC’s ROP by Central Office*. SPC (D’Andrea) added that some RTMC projects will extend into PennDOT D1-0.

## **ROP Process Overview**

10. Jacobs (Niemczak) outlined the ROP process noting that Integrated Corridor Management (ICM) systems are an emerging TSMO tool.
11. In addition to outlining the various chapters of the updated ROP, it was noted that the TSMO Tiering System will impact the prioritization of significant projects by Steering Committee and Stakeholders.
12. PennDOT’s TSMO Mapping Tool can be used to document decisions and Performance Measures moving forward, The TSMO Guidebook provides direction for each chapter developed for SPC’s 2019 ROP Update.
13. Transportation needs and operational issues will be developed and summarized as part of the initial Stakeholder meetings. As part of the ROP process, the Team will try to identify Project Champions. ROP Team anticipates individual PennDOT District-specific input.
14. Jacobs noted that it is important to ‘stay on track’ and deliver by June in order to incorporate into the next Transportation Improvement Plan (TIP) update. The SPC ROP

update Schedule was presented and a general discussion ensued regarding Stakeholder Meeting Planning. This discussion included the following:

- Port Authority of Allegheny County (Silbermann) indicated that safety was not mentioned in the Traffic Operation Goals and stressed the importance of including in one, if not all goals. *It was also suggested to show a graphic in the Stakeholders PowerPoint that shows how the ROP process ties into the Long-Range Transportation Plan (LRTP), TIP, etc.*
- SPC (D’Andrea) challenged the Steering Committee to make this ROP Update “multimodal”. The over-arching goal of the ROP Update is to improve people mobility (which includes but is not exclusive to vehicles).
- PennDOT District 11 (Kravits) indicated that safety needs to be the “over-arching” factor for all Traffic Operation Goals. The current goals seem to be more directed toward mobility, which should be thought of as a benefit to maximizing safety and minimizing crashes. He also suggested that “*critical corridors*” *be included in the roadway tiering system as PennDOT may be taking them over in the future.*
- Unplanned events are generally crashes and “safety” improvements as a result of TSMO projects will be measured through a reduction of unplanned incidents.
- PennDOT Central Office (Gault) mentioned that *PennDOT’s traffic signal personnel should be added to the stakeholder group* to be consistent with what was done in the Central Region.
- PennDOT District 10 (Shanshala) questioned why the roadway tiering system was different than the FHWA Functional Classification. PennDOT Central Office (Gault) responded with “the tiering system was established to better classify roadways based on daily traffic volume and Level of Service.” The roadway tiering is thought to be a better classification, specific to Pennsylvania’s roadway network. Mr. Shanshala also indicated that the steering committee needs to address how major Interstate projects are prioritized and selected for the TIP. An example was mentioned of the need for three lanes on I-79 from the Washington County line extending north through two PennDOT Districts to the Bridgeville interchange.
- SPC (Waple) and PennDOT Central Office (Cavataio) noted that Joe Szczur (PennDOT 12-0) and Doug Tomlinson (PennDOT BOMO) are involved in developing the Interstate TIP in conjunction with FHWA. *Central Office will verify involvement.*



15. Following a brief break, Jacobs (Smith) explained the PennDOT One Map tool and other maps that will be used during the Stakeholder meetings. Steering Committee members provide the following input when debriefed about “Congestion Maps”:

- PennDOT Central Office (Gault) explained that all PennDOT One Map data is received from INRIX. *SPC (D’Andrea) indicated the need to include information on the County-owned facilities to be beneficial to the County planning authority stakeholders.* SPC will see if their GIS data would be useful.
- One-Map currently includes locally-owned NHS roads. One-Map does not include Transit Data, but *PennDOT Central Office may be able to incorporate.*
- Port Authority of Allegheny County (Silbermann) mentioned that it would be helpful to show multi-modal data with transit bottlenecks to identify which facilities with roadway (non-transit) bottlenecks are already using other forms of transit. It was also indicated that speed data is more useful than on time percentage when measuring transit efficiency; but difficult to extract.
- *SPC (D’Andrea) suggested adding Park-n-Ride facilities to “Multimodal Maps”.*
- PennDOT District 11 (Kravits) indicated that SR 51 in the South Hills (Jefferson Hills to Pittsburgh) will be implementing transit priority signal optimization and will be the only facility in the region using such technology.

16. General discussion by many among the group mentioned the need to plan for the upgrade in future traffic signal technology specifically related to communication in traffic signal systems, i.e. adaptive, 5G, etc. PennDOT Central Office (Gault) also indicated that PennDOT needs to find a better solution for maintaining traffic signals and operations than the current fragmented municipal approach.

### **Stakeholder Meeting Planning**

17. Jacobs (Cunningham) initiated coordination for the Stakeholder Meeting, specifically integrating multimodal needs and projects into the TSMO Guidebook format, status summary of previous ROP projects/studies and agency coordination efforts. Of note:

- Avg Vehicle Speed vs Avg Transit (Bus) Speed should be a consideration
- *The ROP Team should identify Transit Signal Priority (TSP) Corridors per SPC.*

- Should regional hospitals be included in Stakeholder meetings? Other institutions such as University's? SPC (D'Andrea) okay with adding to list if they are willing to engage.
- PennDOT Traffic Signal Staff for each District, and Planning/Programming staff, should be added to ROP Stakeholders list. PennDOT 10-0 questioned local Agreements to maintain SINC/SINC-UP timings. SPC (D'Andrea) indicates 1 year with municipal re-application in 3-5 years.
- Pennoni (Castellone) mentioned consideration of future transportation infrastructure and communications (DSRC, 5G?) to support Connected and Automated Vehicles. PennDOT Central Office (Gault) noted ATC controller being rolled-out. Need to better prepare for "retiming" versus "adaptive" to achieve better signal operation and travel efficiencies.

### **Wrap-Up / Next Steps**

- Stakeholders "Kick-Off" scheduled for January 30, 2019 at SPC
- TSMO Team to continue Development of Chapters 1 and 2
- TSMO Team to begin development of Chapter 3
- Anticipate next Steering Committee Meetings to occur in late February or early March. SPC will send a "Doodle Poll" to confirm a date.

The meeting ended at approximately 1:00 PM with informal discussions transpiring over lunch.  
*Action Items are shown as red, italicized text.*

## MINUTES

**TO:** Domenic D'Andrea, Southwestern Pennsylvania Commission

**FROM:** Anthony Castellone, Pennoni Associates Inc.

**DATE:** January 25, 2019

**OTHERS:** Frank Cavataio, Frank Cippel, Josh Spano, Evan Schoss, Stan Niemczak, Steve Cunningham, Adam Smith, Pierce Sube, Allie Slizofski, Jay Goldstein

**SUBJECT:** On-Call Consultancy Services  
Work Order 1 Coordination Mtg #3 – Regional Operations Plan Update

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A project coordination Teleconference commenced at 1:30 PM for the subject project. This project is the update of SPC's Regional Operations Plan (ROP) last revised for 2014-15. The objective of this meeting was to discuss the Stakeholder Meeting Kick-Off at SPC, 10am – Noon on January 30, 2019, specifically the Agenda, PowerPoint and Break-out Session.

The salient points for the discussion are as noted:

1. Pennoni (Castellone) asked Team to review Steering Committee meeting minutes before SPC distributes as Draft.

### Welcome and Introductions

2. Meeting will be in large conference room on 4<sup>th</sup> floor. Everyone agreed that U-shape lay-out was acceptable.
3. SPC (D'Andrea) to introduce Team and initiate self-introductions.
4. PennDOT (Cippel) noted that it is important for speakers to use microphones. SPC will remind committee.

### PowerPoint Presentation of ROP Update Process

5. Same presenters as Steering Committee Meeting. Allow 40-55 Minutes, followed by brief rest break.
6. Slide of ROP Process overview, and coordination with LRTP, TIP, etc. added.

7. PennDOT (Sube) will provide “live” demo of One Map
8. SPC (D’Andrea) noted that Team must emphasize that ROP is “inclusive of safety.” No project would be included for consideration at the expense of safety.
9. It was further noted that Team must focus/guide project development on “improving operations, mobility of vehicles and people.”

#### Break-out Session

10. Start approximately 11:00 following rest break.
11. Breakout sessions leads are:
  - Anthony – D10
  - Adam – D11 (Allegheny)
  - Steve – D11 (Beaver/Lawrence)
  - Stan – D12
12. SPC would like Team to prepare a 1-page “Instruction Sheet” for this session.
13. Maps used will be “District-level” to identify/confirm problem areas and causation.
14. Allie/Melody/Jay can provide extra help for each of these sessions as needed...either floating based on demand or each one helping with a specific District.

#### Wrap Up/Next Steps

15. Jacobs (brief wrap-up once everyone is settled in and eating lunch)
16. SPC noted that the next Steering Committee meeting (per the Doodle Poll results) will be February 26, 2019

The meeting ended at approximately 2:35 PM.

#### **ACTIONS:**

1. SPC to provide Steering Committee Meeting Minutes comments by early next week.
2. SPC to track weather for Wednesday meeting and “cancel” by Monday at latest in case of snow. A call-in number will be provided for meeting as well.

3. SPC to provide Stakeholder Committee “Name Tags”
4. Pennoni will bring PowerPoint presentation hand-outs for Stakeholders use and notes
5. Jacobs to bring Central Region “breakout” session map mark-ups for examples to group
6. Jacobs/Pennoni/Drive to prepare 1-page” Break-out Session Instruction” hand-out
7. SPC to provide Lunch at/around noon with “invoice” option for State employees



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>Update of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #1</b>
<b>Date / Time / Location</b>	<b>1-30-19 / 10:00 AM-1:00 PM / SPC Conference Center, Pittsburgh</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at 10:00 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to provide an update on TSMO and the process for this ROP update and identify/confirm issues and needs through stakeholder breakout sessions. The salient points of this meeting were as noted:

## Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals, indicating that the final ROP document will be a “working” planning document that outlines the need for Projects, Studies and Initiatives for the next 4+ years; including a summary of what has been completed from previous ROPs and what “remains” to be done. One theme for this update will be “How do we get more efficiency and safety out of our region’s existing infrastructure?”
2. Today’s goals will be to:
  - Introduce PennDOT One Map Tool
  - Identify issues/needs during Break-out Session

A PowerPoint presentation by PennDOT Central Office (Cavataio) and Jacobs (Niemczak) included a brief Overview of the meaning and importance of TSMO (i.e., Performance Metrics), Regional ROP Process Overview, PennDOT’s TSMO Guidebook and One Map tool.

## TSMO Overview

1. The TSMO Guidebook is the “Roadmap to the ROP”
  - Past ROPs – Traditional project development process put “Operations” on sidelines
  - ROP Update – “Operations” need to be integrated into Project Life Cycle
2. TSMO started as ITS but migrated to Traffic Operations (Cavataio).



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3. TSMO Guidebook (Publication 851) consists of 5 Parts: Planning, Design, Construction, Maintenance and Operations.

### **ROP Process Overview**

4. Jacobs (Niemczak) explained the 4 TSMO regions and noted that the Western RTMC Region includes *PennDOT District 1-0, which will be incorporated into SPC's ROP by Central Office*. SPC (D'Andrea) added that some RTMC projects will extend into PennDOT D1-0. *PennDOT will develop a consolidated schedule to work concurrently with the remaining counties and PennDOT Districts in the Western RTMC Region.*
5. Jacobs (Niemczak) outlined the ROP process. It was noted that the TSMO Tiering System will impact the prioritization of significant projects by Steering Committee, Stakeholders. The goal will be to optimize the efficiency and safety of existing infrastructure. PennDOT's TSMO Mapping Tool can be used to document decisions and Performance Metrics moving forward via "One Map".
6. Jacobs (Niemczak) described how the ROP Process "fits into" the overall planning process and ultimately, Transportation Improvement Plan (TIP) update.
7. A Congestion Focus will likely guide Traffic Operations Goals; while attempting to improve the reliability and predictability of the network.
8. The TSMO Guidebook provides direction for each chapter developed for SPC's 2019 ROP Update. Jacobs (Niemczak) explained that the Final Deliverable will be consistent with other Regional ROP updates.
9. In addition to outlining the various chapters of the updated ROP, it was noted that the TSMO Tiering System will impact the prioritization of significant projects by Steering Committee and Stakeholders; with local input and recommendations driving the process.
10. Jacobs noted that it is important to "stay on track" and deliver by June in order to incorporate into the next Transportation Improvement Plan (TIP) update. The SPC ROP update Schedule was presented and a general discussion ensued regarding Stakeholder Meeting Planning.

### **Previous ROP Process Overview**

11. Jacobs (Cunningham) provided a brief overview of the previous ROP general focus areas and projects initiated such as ARLE, Green Light Go, Adaptive Systems, DMS & CCTV, Surveillance Camera Motion Intelligence... etc.

12. Posting of travel times on DMS was another initiative instituted, while “Park-n-Rides” should be a consideration for Intermodal Connectivity.
13. The stakeholders were prompted to think about how to apply projects from the previous ROP to areas of need on the current ROP update during the breakout sessions.
14. SPC (Klevan) explained that planning for a Travel Demand Management (TDM) will soon be underway and will somehow be incorporated into the updated ROP. The goal for TDM is to be integrated into regional planning structures and will be supported in parallel with the ROP. Strategies will be identified and set for LRTP and included in the project development. FHWA previously suggested to pursue TDM in a more formal manner, and FHWA (Walston on phone) offered assistance.
15. SPC (Spano) gave an overview on SPC’s coordination with PennDOT, PTC, and local municipalities to train emergency responders on traffic incident management (TIMS). The City of Pittsburgh Fire Department is currently in the process of training through this program. Currently, there are 2 active regional TIM teams.
16. PTC (Leiss) explained PennTime TIMS training objectives, with next WebEx meeting to occur on February 4, 2019. PennSTART’s (Strategic Training And Research Track) proposed 110-acre facility at Penn State that will be used to train emergency responders on a high-speed simulation track; while researching Connected/Automated Vehicle (CAV) interaction (see [www.PennSTART.org](http://www.PennSTART.org)). Also, he explained the E-Learn on-line training is not available for PDH credits.

### **ROP Tools**

17. Jacobs (Smith) explained the TSMO Tiering System thresholds and criteria, PennDOT One Map, and the 5 maps to be utilized by each District during the breakout session. The audience was prompted to analyze data on the maps during the breakout session to verify the validity of the information.
18. Port Authority of Allegheny County (Silbermann) asked if the load data provided by the Port Authority was integrated within any of the current maps. Jacobs (Smith) responded that the load data is integrated by route on the transit maps. It was not combined with AADT but this *“total person trips” approach will be recommended within the ROP for future analysis. The load data is also planned to be integrated into the prioritizing of projects within this ROP cycle.*



19. SPC (D’Andrea) mentioned that as the group begins the breakout session, to “keep in mind multi-modal solutions” as part of the discussions.

### **Breakout Session**

A breakout session for each PennDOT District (10-0, 11-0, and 12-0) was conducted from approximately 11:00 AM to 12:30 PM.

See the attached link to an FTP site provided by Jacobs for Breakout Session maps with comments: <https://jftt.jacobs.com/download.aspx?ID=509aa42b-fa40-45c5-b1c5-436dee2fd7d6&RID=1c772f73-f263-4954-b81f-5ea552124b78>

*These maps provide all stakeholders another chance to review and provide any additional comments to aid the ROP Team in confirming the regional issues & needs leading into the next round of meetings.*

*An itemized listing of regional issues and needs for each PennDOT District will be compiled from the breakout session input prior to the next meeting.*

### **Wrap-Up / Next Steps**

- TSMO Team to continue Development of Chapters 1 and 2
- TSMO Team to begin development of Chapter 3 & 4
- Next Steering Committee Meeting February 26, 2019 10:00 AM at SPC
- Upcoming Stakeholder Meetings (Round 1):
  - PennDOT District 12 – March 14 at 9:30 AM
  - PennDOT District 11 – March 14 at 1:30 AM
  - PennDOT District 10 – March 15 at 9:30 AM

The meeting ended at approximately 1:00 PM with informal discussions transpiring over lunch.  
*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Steering Committee Meeting #2</b>
<b>Date / Time / Location</b>	<b>2-26-19 / 10:00 AM-12:00 PM / SPC Conference Center, Pittsburgh</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

The second project Steering Committee meeting commenced at 10:00 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to review previous OneMap comments from the previous Stakeholder meeting.

The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals indicating that a 3<sup>rd</sup> Steering Committee meeting will occur in May. A “save the date” will be forthcoming.
2. Ongoing Long-Range Transportation Planning (LRTP) meetings are ongoing with Districts. The LRTP will be completed by June 24 and incorporated into ROP update. **SPC hopes to have the list of Operations projects by March Stakeholder meetings.**

### Progress Update

3. A brief review of progress and schedule was provided by Jacobs (Niemzcak). A 60% ROP document is planned to be complete by April.
4. Stakeholder Meetings Planned for mid-March (Cunningham). Team will be looking at different strategies and tactics that can be applied to each “issue” area.
5. Multimodal Tools / Strategies – PennDOT working with SEPTA on train arrivals and departures (Cavataio).



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6. Amy (PAAC) asked if bus lanes and queue jump lanes could be considered as part of ROP. *It was agreed that these types of projects could be considered.*

### **Confirmation of Regional Issues and Needs**

7. Reviewed what Team heard at last Stakeholder Break-out session.
8. Maps with written comments are available on SharePoint site.
9. Review of District 12-0 maps will be performed via a WebEx / Skype meeting since District 12-0 was unable to attend today's meeting. *SPC (D'Andrea) will coordinate.*
10. Priority areas will include traffic signals and ITS devices where applicable.
  - Break-out session review commenced at 10:30 AM

### **Wrap-Up / Next Steps**

- Next Steering Committee Meetings to occur March 14 (Districts 11-0 and 12-0) and March 15 (District 10-0).

The meeting ended at approximately 12:00 PM with informal discussions transpiring over lunch. *Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #2</b>
<b>Date / Time / Location</b>	<b>3-14-19 / 9:30 AM-11:30 AM / PennDOT D12-0, Uniontown</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at 9:35 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss potential TSMO solutions to the operations issues and needs identified at the first ROP stakeholder meeting. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals and objectives.
2. A brief overview of the District was provided by Joe Szczur, PennDOT 12-0 District Executive. I-70 modernization has been the major focus given its 57 miles, 113 structures, 32 interchanges and \$521M spent to date. Approximately \$350M in projects is anticipated thru 2024. Also, Westmoreland County is the Commonwealth’s largest County behind Allegheny. Mr. Szczur is proud of the work the District is accomplishing with its “smart spine” arterial upgrades including: US 30, US 19, US 119 and US 22. The District is “all in” on use of technology to maximize efficiency, safety, etc.
3. Jacobs (Cunningham) outlined the meetings goals, noting that TSMO process is “data driven”.

### Progress Update

4. The Pennoni Team led by Jacobs (Cunningham) described those TSMO tools and strategies from the Guidebook that can be applied to those “issues and needs” identified during the previous stakeholder meeting.
5. Jacobs (Cunningham) reviewed the project schedule and noted that *the Stakeholder group would reconvene in approximately 2 months.*



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### **Tools/Strategies in TSMO Guidebook**

6. Jacobs (Cunningham) outlined the ROP process using PennDOT’s TSMO Mapping Tool and tools and strategies outlined in the TSMO Guidebook.
7. One strategy, Integrated Corridor Management (ICM), is currently being utilized as a pilot project for parallel facilities along I-76 ([www.Transform76.com](http://www.Transform76.com)).
8. PennDOT Central Office (Gault) noted that smaller corridors would be considered for ICM as a pilot.
9. PennDOT 12-0 (Szczur) indicated that I-70 is the key E/W corridor in District and incident management is critical. There are not many “good” Detour routes for the facility and “better connections” are necessary.
10. Pennoni (Castellone) noted that future designs should consider Connected Automated Vehicles (CAV) lane width reduction requirement; i.e., 12-foot standard may reduce to 11 or even 10-feet.

### **Multimodal Tools / Strategies**

11. Jacobs (Smith) provided brief overview of Transit, Active Transportation and Freight TSMO strategies.
12. PennDOT 12-0 (Szczur) noted that I-70 is seeing much more truck traffic due to higher tolls on Penna Turnpike (I-76).

### **Regional Operations Issues and Needs**

13. Pennoni (Castellone) mentioned consideration of future transportation infrastructure and communications (DSRC, 5G?) to support Connected and Automated Vehicles. PennDOT Central Office (Gault) noted ATC controller being rolled-out. Need to better prepare for “retiming” versus “adaptive” to achieve better signal operation and travel efficiencies.
14. District 12-0 (Dean) noted that getting a TIM team all in one room at the same time has been a challenge in the past; especially west of Washington. An Incident Management Plan (IMP) has been developed for the Southern Beltway I/C with I-79.
15. Also, long-wall mining will be back by 2024; perhaps requiring off-site improvements (\$1M planned) if needed during an incident (Szczur).

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## BREAK-OUT DISCUSSIONS

- PennDOT Central Office (Sube, Cavataio) provided a brief “One Map” demonstration. *Instructions for TSMO data access will be provided with Meeting Minutes.* PennDOT noted that you cannot change information already there.
- Breakout sessions were used to review maps of the operations issues and needs identified at the previous stakeholder meeting and confirmed at the recent steering meeting. Maps were developed for each of the four D12 counties as well as an overall District map.
- Stakeholders discussed which TSMO-related solutions should be applied to each identified area, developing rough sketches of potential projects which could be included in the ROP document.
- Potential ROP projects included corridor ITS deployments, traffic signal improvements, a TIM team, Integrated Corridor Management of I-79 and parallel corridors, and Dynamic Curve Warning systems.

### Wrap-Up / Next Steps

- Ongoing Development of ROP document.
- ROP Project Development.
- Next Steering Committee Meeting to occur May 8, 2019.
- Next Stakeholder Committee Meetings to occur in late May.

The meeting ended at approximately 11:30 AM.

*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #2</b>
<b>Date / Time / Location</b>	<b>3-14-19 / 1:30 PM-3:30 PM / PennDOT D11-0, Bridgeville</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at approximately 1:40 PM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss potential TSMO solutions to the operations issues and needs identified at the first ROP stakeholder meeting. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals and objectives for D11-0 Counties Allegheny, Beaver and Lawrence.
2. Jacobs (Cunningham) outlined the meetings goals, noting that TSMO process is “data driven”.

### Progress Update

3. The Pennoni Team led by Jacobs (Cunningham) described those TSMO tools and strategies from the Guidebook that can be applied to those “issues and needs” identified during the previous stakeholder meeting.
4. Jacobs (Cunningham) reviewed the project schedule and noted that *the Stakeholder group would reconvene in approximately 2 months.*

### Tools/Strategies in TSMO Guidebook

5. Jacobs (Cunningham) outlined the ROP process using PennDOT’s TSMO Mapping Tool and tools and strategies outlined in the TSMO Guidebook.
6. It was noted that a local champion for TIM Teams is critical for successful engagement and results.



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7. One strategy, Integrated Corridor Management (ICM), is currently being utilized as a pilot project for parallel facilities along I-76 ( [www.Transform76.com](http://www.Transform76.com) ).
8. PennDOT Central Office noted that smaller corridors would be considered for ICM as a pilot.

### **Multimodal Tools / Strategies**

9. Jacobs (Smith) provided brief overview of Transit, Active Transportation and Freight TSMO strategies.
10. One strategy that might be applicable as a multimodal tool is the use of “flex lanes” (formerly “hard shoulder running”) for PAAC.
11. Another potential tool mentioned were “Bike-n-Ride” lots and DMS messaging. Would this sub-region of SPC benefit from “e-bike” deployment?

### **Regional Operations Issues and Needs**

12. PennDOT Central Office (Sube, Cavataio) provided a brief “One Map” demonstration. *Instructions for TSMO data access will be provided with Meeting Minutes.* PennDOT noted that you cannot change information already there.
13. SPC (D’Andrea) reiterated that the ROP update document would be a “companion document” to the Long-Range Transportation Plan (LRTP).

### **BREAK-OUT DISCUSSIONS (2 Rooms)**

- Breakout sessions were used to review maps of the operations issues and needs identified at the previous stakeholder meeting and confirmed at the recent steering meeting. Maps were developed for Beaver/Lawrence Counties, Allegheny County, and for Downtown Pittsburgh and its vicinity.
- Stakeholders discussed which TSMO-related solutions should be applied to each identified area, developing rough sketches of projects which could potentially be included in the ROP document.
- Potential ROP projects included Transit Signal Priority on key corridors, ICM strategies on the Parkways, Smart Parking systems at major Park-n-Ride lots, a number of bike



network projects, and a variety of studies, generally focusing on multimodal improvements.

### **Wrap-Up / Next Steps (D'Andrea)**

- Ongoing Development of ROP document.
- ROP Project Development.
- Next Steering Committee Meeting to occur May 8, 2019.
- Next Stakeholder Committee Meetings to occur in late May.

The meeting ended at approximately 3:30 PM.

*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #2</b>
<b>Date / Time / Location</b>	<b>3-15-19 / 9:30 AM-11:30 AM / PennDOT D10-0, Indiana</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at approximately 9:30 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss potential TSMO solutions to the operations issues and needs identified at the first ROP stakeholder meeting. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals and objectives for D10-0 Counties Butler, Armstrong, and Indiana. .
2. Jacobs (Cunningham) outlined the meetings goals, noting that TSMO process is “data driven”.

### Progress Update

3. The Pennoni Team led by Jacobs (Cunningham) described those TSMO tools and strategies from the Guidebook that can be applied to those “issues and needs” identified during the previous stakeholder meeting.
4. Jacobs (Cunningham) reviewed the project schedule and noted that the *Stakeholder group would reconvene in approximately 2 months.*

### Tools/Strategies in TSMO Guidebook

5. Jacobs (Cunningham) outlined the ROP process using PennDOT’s TSMO Mapping Tool and tools and strategies outlined in the TSMO Guidebook.



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6. One strategy, Integrated Corridor Management (ICM), is currently being utilized as a pilot project for parallel facilities along I-76 ( [www.Transform76.com](http://www.Transform76.com) ).
7. Jacobs (Cunningham) noted that smaller corridors requiring traffic signal enhancements could also be considered for ICM as a pilot project.

### **Multimodal Tools / Strategies**

8. Jacobs (Smith) provided brief overview of Transit, Active Transportation and Freight TSMO strategies; including a summary of the previous Stakeholder meeting.

### **Regional Operations Issues and Needs**

9. PennDOT Central Office (Sube, Cavataio) provided a brief “One Map” demonstration. *Instructions for TSMO data access will be provided with Meeting Minutes.* PennDOT noted that you cannot change information already there.

### **BREAK-OUT DISCUSSIONS**

- Breakout sessions were used to review maps of the operations issues and needs identified at the previous stakeholder meeting and confirmed at the recent steering meeting.
- Stakeholders discussed which TSMO-related solutions should be applied to each identified area, developing rough sketches of projects which could potentially be included in the ROP document.
- Potential ROP projects included corridor ITS deployments, traffic signal improvements, a TIM team, Integrated Corridor Management of the I-79 and US 19 parallel corridors, and continued fiber deployment.

### **Wrap-Up / Next Steps (D’Andrea)**

- Ongoing Development of ROP document.
- ROP Project Development.
- Next Steering Committee Meeting to occur May 8, 2019.
- Next Stakeholder Committee Meetings to occur in late May.

The meeting ended at approximately 11:00 AM

*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan (ROP) Update</b>
<b>Meeting Name</b>	<b>Steering Committee Meeting #3</b>
<b>Date / Time / Location</b>	<b>5-8-19 /10:00 AM-12:00 PM @ SPC, 5-9-19/9:00 AM- 10:00 AM Telecom</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

The third ROP Steering Committee meeting commenced at 10:00 AM on Wednesday, 5/8/19. This was followed by a 9:00 AM teleconference with D12-0 on Thursday, 5/9/19. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to review proposed projects developed from the previous Stakeholder meetings. The salient points of these meetings were noted:

Wednesday, May 8

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals indicating that a final Steering Committee meeting will occur in June. A “save the date” will be forthcoming. A 60% Draft ROP document is in Steering Committee hands for review and comment. *Dom requested initial comments by May 10, 2019.*
2. SPC handed out a list of projects developed from Long Range Planning meetings. The list that was handed out was pared down from the overall list to provide only Safety & Operations projects relevant to the ROP. SPC (D’Andrea) noted that specific projects not identified in some of the counties are captured in “set-aside” line items.

### Progress Update

3. A brief review of progress and schedule was provided by Jacobs (Smith).
4. PennDOT 11-0 (Kravits) mentioned need for Truck Parking in case of incidents. It was mentioned that PTC has an RFP for such a study from Carlisle to the east along I-76 and along the Turnpike’s NE Extension.

### Next Steps

5. *Prioritization discussion will need to occur for the parallel western region ROP which includes PennDOT D1-0.* This information needs to be reflected in SPC’s ROP update per D’Andrea. All stakeholders will be included in the final ROP document per Jacobs (Smith).



6. PAAC (Masciotra) questioned “Mission” of not adding capacity. Does this include Transit Capacity? Jacobs (Smith) noted that this referred to additional travel lanes. PAAC suggested that ROP Strategies should include Transit Queue Jumping, strategically place transit lanes and smaller infrastructure projects.

### **Break-out**

7. Reviewed what Team heard at last Stakeholder Break-out sessions.

### ***PennDOT D10-0***

- Recommended extending D11-0 SR 28 ITS Study to Kittanning
- Consider adding “Butler By-Pass/ Kittanning Bypass” ITS Study
- Include above (and other noted) Study’s to “Studies/Initiatives” block on Map
- Add Signal Removals per SPC’s SINC-UP program?

### ***PennDOT D11-0***

- PennDOT (Kravits) recommended a study to improve coordination between the WRTMC and the PA Turnpike’s Traffic Operations Center, particularly for the I-76/I-376 loop, including incident management, construction detours, communications (fiber), device sharing, traveler information, and weather operations Todd recommended including an upgrade of the WRTMC as part of the ROP.
- PAAC (Masciotra) recommended removing some of the recommended studies for transit expansion and bike/ped access improvements for the light rail system as these will be covered in the Port Authority’s upcoming Long-Range Planning and First/Last Mile Planning efforts.
- Discussed inclusion of District Ownership of the McKnight Road signal corridor as part of the Parkway North ICM project.

The meeting ended at approximately 12:00 PM Wednesday, following lunch.

### **PennDOT District 12-0:**

Thursday, May 9 TELECOM

- Adam Smith, Stan Niemczak (Jacobs)
- Anthony Castellone, Jay Goldstein (Pennoni)
- Domenic D’Andrea (SPC)
- Bryan Walker, Emily Zarichnak (PennDOT D12)
- Frank Cavataio (PennDOT BOMO)

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Team to provide comments on first four chapters of ROP document by next Friday. Final D12 ROP Stakeholders meeting May 30<sup>th</sup>

Quick overview of possible project solutions brought up thus far:

- Adaptive Signal Systems
- Timing improvements
- Transit Signal Priority
- Possible Pilot Project for PennDOT ownership of signals (have yet to identify a specific corridor)

There is a region wide need for truck parking analysis which has also been mentioned by District 1 and will likely be a region-specific effort. (western region as a whole)

There is a need for a comprehensive analysis of location specific needs for ITS devices. i.e. gaps in CCTV/DMS.

Prioritization for projects will be discussed at the region level prior to finalizing the ROP document.

**General Discussion Points:**

PennDOT (Walker) questioned whether detour improvements on specific corridors could be included as part of the ROP? Jacobs (Niemzak) noted that geometric solutions can be identified as part of the integrated corridors approach and certainly any ITS devices to provide alerts during incident management can be included but specific geometric improvements might be added costs to this type of project.

PennDOT Central Office (Ryan McNeary) can provide more data specific info at PennDOT Central Office on detours and incident management issues.

Jacobs (Smith) mentioned the importance of the prioritization of projects in each “category” to make the ROP document as useful as possible. This will be discussed in a more detailed manner as the Team moves closer to finalizing the ROP document.

SPC (D’Andrea) does not want a numerical priority identified to specific projects as part of the ROP document.

Jacobs (Niemzak) noted that “Prioritization” can be identified by benefits of the project that should be highlighted in the document. A comprehensive and cognitive approach will need to be taken when getting funding for specific projects.

**MAP Session:**

Jacobs (Smith) noted specific project solutions on District 12’s map with input from PennDOT (Walker). “Parallel Corridor” projects were mentioned to improve operations on corridors parallel to I-79. Other project modifications:

- For I-79 ICM project north of Washington, District ownership of the US 19 signals was added.
- Added US 40 Road Safety Audit (Summit Inn to Youghioghney River) to list of studies.
- Revised US 119 Signal Improvements project scope to the portion of US 119 south of Connellsville due to anticipated interchange project replacing signals north of the city.

*Jacobs (Smith) to coordinate a current transit project with Westmoreland Transit Authority and an identified possible ROP project*

Event management studies for Key Bank Pavilion and Steelers Training Camp suggested, though SPC (D'Andrea) questions who holds responsibility for following through with the project? Local Municipalities, specific organization, PennDOT District? *Jacobs (Smith) to coordinate with relative stakeholders.*

The meeting ended at approximately 10AM. *Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #3</b>
<b>Date / Time / Location</b>	<b>5-30-19 / 9:30 AM-11:00 AM / PennDOT D12-0, Uniontown</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at 9:38 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss list of potential TSMO improvement projects discussed at second stakeholder meeting, prioritization of project and ROP roles, including responsibility of stakeholders. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave an overview of the meeting’s goals and objectives as well as a brief summary of the ROP Process.

### Progress Update

2. Jacobs (Smith) provided a ROP study progress update and schedule review. The Pennoni/Jacobs team is currently working on the final two chapters of the ROP.
3. It was noted that this ROP is the first to follow the PennDOT TSMO process.

### Summary of Potential Improvement Projects

4. Jacobs (Cunningham) outlined the ROP process’ seven categories used to address operational and safety deficiencies:
  1. Traffic Signals
  2. Traffic Incident Management
  3. Traveler Information
  4. Operational Teamwork/Institutional Coordination
  5. Multimodal Connectivity
  6. Freeway and Arterial Operations
  7. Freight Management



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5. Today’s meeting will primarily be utilized to confirm and prioritize those previously identified projects.
6. Regarding Freight Management, there is a substantial need for Truck Parking due to driver travel time restrictions.
7. Future Regional Studies should look at “person trips” – how many people are moving within the network.

### **Long-Range Planning Projects**

8. SPC (D’Andrea) noted that discussions are already taking place with PennDOT on those long-range (LRTP) projects presented on hand-out; the handout includes only the Operations and Safety related projects from the LRP discussions. These projects will be incorporated into the ROP.
9. Most ROP projects are “shorter-term” (i.e., 4-year time horizon).

### **BREAK-OUT DISCUSSIONS**

Breakout session instructions provided by Jacobs (Smith). Stakeholders were to review maps of the operations issues and needs identified at the previous stakeholder meeting and prioritize projects utilizing stickers. Some notable projects discussed include:

- Salem Township / PennDOT Lead – 2 Signals, future PennDOT ownership?
- Study Initiatives: Regional / SPC Lead, ITS Gap Study / PennDOT, TIM Team / All, Steelers Summer Camp – OUT, Key Bank Pavilion / Owner
- I-79 from Washington to Allegheny County Line – PennDOT Lead
- US 19 Corridor – Future PennDOT Ownership, Command/Control w/ RTMC
- I-79/US19 Waynesburg I/C, CCTV, DMS (future Type A’s) - PennDOT Lead
- I-70/US 40 Detour Routing – PennDOT Lead
- Queue Warning systems per ICM: I-70/Jefferson, Southpointe/I-79, McClelland/I-79
- *ADD RWIS’ – Interstates, SR 30, US 40 (4 existing)*
- US 40 Dynamic Curve Warning – SPC Road Safety Audit
- SR 30 Dynamic Curve Warning
- SR 119 Traffic Signal Improvements south of Connellsville -PennDOT Lead
- Greensburg Traffic Signal Improvements - Per SPC Study, includes 1 Roundabout

- SR 119 / US 30 Queue Detection System?

**Wrap-Up / Next Steps (D'Andrea)**

- Ongoing Development of ROP document.
- Final Steering Committee Meeting to occur late June.

The meeting ended at approximately 11:00 AM.

*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #3</b>
<b>Date / Time / Location</b>	<b>5-30-19 / 1:30 PM-3:00 PM / PennDOT D11-0, Bridgeville</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at 1:37 PM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss list of potential TSMO improvement projects discussed at second stakeholder meeting, prioritization of project and ROP roles, including responsibility of stakeholders. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave an overview of the meeting’s goals and objectives as well as a brief summary of the ROP Process which is in the “home stretch”.

### Progress Update

2. Jacobs (Smith) provided a ROP study progress update and schedule review. The Pennoni/Jacobs team is currently working on the final two chapters of the ROP.
3. Today’s meeting is to confirm / receive feedback on projects developed during previous Stakeholder Meetings.

### Summary of Potential Improvement Projects

4. Jacobs (Cunningham) outlined the ROP process’ seven, higher-level categories used to address operational and safety deficiencies:
  1. Traffic Signals
  2. Traffic Incident Management
  3. Traveler Information
  4. Operational Teamwork/Institutional Coordination
  5. Multimodal Connectivity
  6. Freeway and Arterial Operations



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## 7. Freight Management

5. Today's meeting will primarily be utilized to confirm and prioritize those previously identified projects.
6. Regarding Freight Management, there is a substantial need for Truck Parking due to driver travel time restrictions. Two (2) studies have been identified.
7. Future Regional Studies should look at "person trips" – how many people are moving within the network, while "missing bike connections" should focus on the "last mile".
8. Traffic Incident Management initiatives (TIM) has been successful in the District.
9. An ITS Regional Gap Study is likely warranted to evaluate the need for future, critical DMS, CCTV, HAR and/or RWIS.

### **Long-Range Planning Projects**

10. SPC (D'Andrea) noted that discussions are already taking place with PennDOT, and in each County, on those long-range (LRTP) projects presented on hand-out; the handout includes only the Operations and Safety related projects from the LRP discussions. These projects will be incorporated in to the ROP. LRTP to adopted in late June.
11. ROP projects are generally "shorter-term", i.e., 4-year time horizon; though some long-term projects are included.

### **BREAK-OUT DISCUSSIONS**

Breakout session instructions provided by Jacobs (Smith). Stakeholders were to review maps of the operations issues and needs identified at the previous stakeholder meeting and prioritize projects utilizing stickers. Projects discussed included:

- Beaver / Lawrence County – *One Map missing DMS? Turnpike is a District Stakeholder, and this should be included.*
- SR 65 Signal Upgrades – Consider PennDOT ownership since ADT > 25K. Also, arterial ITS considerations.
- There is a need for Truck Parking along I-376 corridor
- Veteran's Bridge Junction Control

- SR 8 – Arterial ITS considerations
- Smart Parking: South Hills Village, Ross Park ‘n Ride, Wilkinsburg, Carnegie (PAAC)
- Consider Freeway Service Patrols on SR 289
- Queue Detection built into ATMS (PennDOT / Barch)
- Variable Speed Limits: SR 28, I-279, I-376, I-79
- Existing RWIS: Penn Hills, Crafton. Expand?
- Traffic Signal Improvements / Coordination required along Route 8 Corridor/Wilkinsburg due to heavy pedestrian conflicts
- District will need to address control, staffing for those PennDOT-owned signals outside the City limits
- PennDOT considering rehabilitating the RTMC; likely removing the video wall (Kravits)
- Birmingham Bridge Study - How to improve currently unprotected bike lanes adjacent to high speed vehicular lanes
- *The Wabash Tunnel may be included in the South Hills Tail Network Study* (Purcell)
- North Portal of Liberty Bridge at McCardle is the District’s highest Crash location (Kravits). Also, need to eliminate weaving at Ft. Pitt/Ft Duquesne bridge (best would be to eliminate outbound ramp from downtown).
- *Add to Studies: Ft Pitt / West End / CBD Traffic Operations (SPC?)*

#### **Wrap-Up / Next Steps (D’Andrea)**

- Ongoing Development of ROP document.
- Final Steering Committee Meeting to occur late June.

The meeting ended at approximately 3:00 PM.

*Action Items are shown as red, italicized text.*



# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan</b>
<b>Meeting Name</b>	<b>Stakeholder Committee Meeting #3</b>
<b>Date / Time / Location</b>	<b>5-31-19 / 9:00 AM-11:00 AM / PennDOT D10-0, Indiana</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

A project Stakeholder Committee meeting commenced at 9:35 AM for the subject project. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to discuss list of potential TSMO improvement projects discussed at second stakeholder meeting, prioritization of project and ROP roles, including responsibility of stakeholders. The salient points of this meeting were as noted:

### Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave an overview of the meeting’s goals and objectives as well as a brief summary of the ROP Process. Process is in the “homestretch” and will populate the next 4 years of the TIP.

### Progress Update

2. Jacobs (Smith) provided a ROP study progress update and schedule review. The Pennoni/Jacobs team is currently working on the final two chapters of the ROP and will finalize over the next month.

### Summary of Potential Improvement Projects

3. Jacobs (Cunningham) outlined the ROP process’ seven categories used to address operational and safety deficiencies:
  1. Traffic Signals
  2. Traffic Incident Management
  3. Traveler Information
  4. Operational Teamwork/Institutional Coordination
  5. Multimodal Connectivity
  6. Freeway and Arterial Operations
  7. Freight Management



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4. Today's meeting will primarily be utilized to confirm and prioritize those previously identified projects.
5. Regarding Freight Management, there is a substantial need for Truck Parking due to driver travel time restrictions.
6. Future Regional Studies should look at "person trips" – how many people are moving within the network.
7. The future, expansion of a system-wide "communications network" will dictate the success of those technological advance projects.

### **Long-Range Planning Projects**

8. SPC (D'Andrea) noted that discussions are already taking place with PennDOT on those long-range (LRTP) projects presented on hand-out; the handout includes only the Operations and Safety related projects from the LRP discussions. These projects will be incorporated into the ROP. The LRTP will be adopted that SPC's Commission Board meeting in June.
9. Most ROP projects are "shorter-term", i.e., 4-year time horizon.

### **BREAK-OUT DISCUSSIONS**

- Breakout session instructions provided by Jacobs (Smith). Stakeholders were to review maps of the operations issues and needs identified at the previous stakeholder meeting and prioritize projects utilizing stickers. Project "recap" and discussions included:
  - Need for Truck Parking, Weigh Station in Cranberry
  - SR 422 Corridor ITS (CCTV)
  - SR 356 Adaptive project (planned)
  - Bridge De-icing System (Buffalo Creek)
  - RWIS expansion needs

**Wrap-Up / Next Steps (D'Andrea)**

- Ongoing Development of ROP document.
- Final Steering Committee Meeting to occur late June.

The meeting ended at approximately 10:00 AM.

*Action Items are shown as red, italicized text.*





# Meeting Minutes

<b>Owner / Agreement</b>	<b>SPC / Regional Operations Plan (ROP) Update</b>
<b>Project</b>	<b>WO #1 - Development of the Southwestern Pennsylvania Commission Regional Operations Plan (ROP) Update</b>
<b>Meeting Name</b>	<b>Steering Committee Meeting #4</b>
<b>Date / Time / Location</b>	<b>6-26-19 /10:00 AM-12:00 PM @ SPC</b>
<b>Attendees</b>	<b>See Sign-in Sheet</b>

The final ROP Steering Committee meeting commenced at 10:00 AM. This project is the update of SPC’s Regional Operations Plan (ROP) last revised for FY 2014-15. The objective of the meeting was to review the final DRAFT ROP Update document. The salient points of this meeting are noted below:

## Welcome and Introductions

1. Following introductions, SPC (D’Andrea) gave a brief overview of the meeting’s goals, specifically
  - Summarize the 100% ROP draft,
  - Finalize projects, studies, and initiatives,
  - Review priorities, and
  - Discuss next steps for the ROP.

## Progress Update

2. Jacobs (Smith) discussed inclusion of LRTP summary in ROP document.
3. SPC (D’Andrea) noted that the LRTP was adopted Monday and final edits are currently underway. SPC (Waple) said that the final version should be ready by next week.
4. ROP Document Review per Jacobs (Smith):
  - 60% draft covered chapter 1-4
  - 100% draft add chapters 5 & 6
    - Chapter 5- strategies and projects
      - Strategies and TSMO Matrix



- Recommended projects
  - Recommended studies and initiatives
  - Long Range Planning Projects
  - Chapter 6 – ROP coordination and maintenance
    - Continue to update every 4 years
    - Discussion of connected autonomous vehicles
    - Incorporate issues and needs within PennDOT Western RTMC ROP
5. Review of Projects, Studies, and Initiatives (Jacobs) included,
- 44 projects
    - High priority = 15
    - Other recommended = 29
  - 19 studies and initiatives
    - High priority = 2
    - Other recommended = 17

Priority was established during previous stakeholder meeting and break-out sessions.

### **Projects:**

- TIM.02 – PA-28 Freeway Service Patrols
  - SPC (Spano) noted the Freeway Service Patrol contract is up for renewal, so expansion of service could be coordinated with that.
- TIM.04 – I-79 Curve Warning
  - District 10 noted that low-cost improvements were installed approx. 1 year ago. Recent crash data should be reviewed to ensure problem persists.
- TI.01 – Hogback Hill RWIS
  - SPC (Waple) noted SPC has an operations/safety study planned to begin in the Fall which will look at PA-28 from Kittanning to I-80.
- TI.10 – US 22 (Monroeville) Arterial ITS
  - SPC (D'Andrea) noted that CCTV/DMS through Monroeville would be beneficial. Adaptive signal system already installed. Mount CCTV to signal poles?
- MC.01 – South Hills Village Smart Parking
  - Port Authority (Masciotra) noted that South Hills Village Parking Garage is the only Port Authority lot which isn't free. This deters potential users. This project should note a need to evaluate potential changes to pricing.
- MC.05 – Carnegie Smart Parking
  - Port Authority (Masciotra) noted a need for improved pedestrian connections to West Busway near Park-n-Ride. Consider possible road diet on Main St./Mansfield Blvd.? Also, there is nearby rail that is not in use which could be converted to bike trails connecting to Heidelberg, Scott Township, and other

- areas nearby. This should be coordinated with the West End/South Hills Bike Network Study.
- MC.06 – Wilkesburg Smart Parking
    - Port Authority (Masciotra) noted eventual plan to introduce Transit-Oriented Development at this site. Note in project that this should be considered and coordinated with, depending on timing of that development and cost of potential Smart Parking system.
  - FA.01 – Bates St. Interchange Improvements
    - SPC (D’Andrea) mentioned that the Hazelwood Green project is coordinating with PennDOT to widen the Parkway and improve the Glenwood interchange.
  - FA.02 – I-79 ICM
    - SPC (D’Andrea) mentioned the I-76 Parallel Signal pilot currently underway and noted that western PA candidates for this approach should be identified, hence the inclusion of this and other similar projects in the ROP.
  - FA.04 – Parkway North ICM
    - SPC (D’Andrea) mentioned that communications are currently installed for the US 19 signals.

### **Studies:**

- ITS Gap Study – SPC (D’Andrea) noted a preference for renaming this to ITS Strategic Plan. It would look at prioritizing ITS deployments over the next 5-10 years.
- PennDOT/Turnpike Coordination – SPC (D’Andrea) noted that Port Authority ops center should also be included in this study. Jacobs (Smith) mentioned the Cranberry TMC as well.
- Park-n-Ride Study – discussed that this should be revised to a regional study to include Park-n-Rides in other surrounding counties. SPC (Waple) also noted that SPC has an upcoming Regional Transit Coordination Study which should coordinate with this effort.
- Parkway North HOV Study – remove reference to Busway Conversion to broaden scope (could become congested pricing lanes, etc.). Rename to HOV Conversion Study.
- Rt. 8 Corridor Operations Planning Study – SPC (Waple) mentioned this study which is currently planned (limits: Wildwood to Bakerstown) and asked that it be included in ROP.
- Freight Studies should be renamed to note they cover entire Western RTMC Region.
- SPC (Walfoort) noted that PennDOT is planning a Statewide Truck Parking study. The Truck Parking Study identified in the SPC ROP should note this and coordinate whether SPC effort should be undertaken or allow PennDOT study to handle this if it is to begin

soon enough. SPC (Walfort) also noted a need for better staging opportunities and coordination in addition to the more discussed issue of overnight parking.

### **Wrap-Up / Next Steps:**

- *Provide review of 100% draft by July 12*
- Anticipate final ROP document by end of July
  - Allegheny County (Ogoreuc) asked if the *100% draft should be distributed to the Stakeholder Group for review as well*. SPC (D'Andrea) agreed that this could be done.
- Dates to make note of: –
  - August 29, SPC will hold regional operations and safety forum
  - October 1 SPC Freight Forum
- Western RTMC ROP
  - Final northwest regional stakeholder meeting in August
  - Jacobs (Smith) noted that the *final Steering Meeting for the Western RTMC effort would include Steering members from the complete Western RTMC region and would likely occur in September/October*.

The meeting ended at approximately noon. *Action Items are shown as red, italicized text.*