



**NOTICE AND AGENDA OF
PUBLIC MEETING**

**FREEWAY AND ARTERIAL SYSTEM OF
TRANSPORTATION
OPERATIONS MANAGEMENT
COMMITTEE**

9:30 A.M. AUGUST 1, 2019

**TRAFFIC MANAGEMENT CENTER
4615 WEST SUNSET ROAD, ROOM A105
LAS VEGAS, NV 89118
(702) 432-5300**



This agenda with full backup is available at the Regional Transportation Commission Administration Building, 600 S. Grand Central Pkwy., Las Vegas, Nevada; the Regional Transportation Commission's website, <http://www.rtcnv.com>; or by contacting Tammy McMahan at (702) 676-1538.

THIS MEETING HAS BEEN PROPERLY NOTICED AND POSTED IN THE FOLLOWING LOCATIONS:

Clark County Government Center
500 S. Grand Central Pkwy.
Las Vegas, NV 89155

City of Henderson
Office of the City Clerk
240 Water Street
Henderson, NV 89015

CC Regional Justice Center
200 Lewis Ave.
Las Vegas, NV 89155

RTC
600 S. Grand Central Pkwy.
Las Vegas, NV 89106

RTC website
www.rtcnv.com

Nevada Public Notice
website
<https://notice.nv.gov>

DocuSigned by:

Tammy McMahan

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BY: _____

Items 2 through 5 are items for possible action. Items 1 and 6 through 9 are discussion items and no action can be taken. Please be advised that the Freeway and Arterial System of Transportation Operations Management Committee (Committee) has the discretion to take items on the agenda out of order, combine two or more agenda items for consideration, remove an item from the agenda, or delay discussion relating to an item on the agenda at any time.

1. CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION: No action can be taken on any matter discussed under this item, although the Committee can direct that it be placed on a future agenda.
2. ELECT A CHAIR AND VICE-CHAIR FOR FISCAL YEAR 2020 (FOR POSSIBLE ACTION)
3. APPROVAL OF THE MINUTES: Meeting of June 6, 2019 (FOR POSSIBLE ACTION)
4. RECEIVE THE FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS (FOR POSSIBLE ACTION)
5. RECEIVE THE NEVADA DEPARTMENT OF TRANSPORTATION (NDOT)-FAST INTELLIGENT TRANSPORTATION SYSTEM OPERATIONS REPORT PERFORMED AS PART OF NDOT’S CONTRACTS (FOR POSSIBLE ACTION)
6. RECEIVE A PRESENTATION FROM ECONOLITE CONTROL PRODUCTS, INC. REGARDING THE COMPANY’S INTELLIGENT TRANSPORTATION SYSTEM SOLUTIONS AND ECONOLITE’S SUBSIDIARY, CAVITA, WHICH PROVIDES ADVISORY SERVICES ON TRANSPORTATION TECHNOLOGIES
7. DISCUSS NEW TRANSPORTATION TECHNOLOGIES AND THEIR USE IN MEASURING, MONITORING, AND ENHANCING PERFORMANCE ON SOUTHERN NEVADA ROADWAYS
8. DISCUSS COMMITTEE TOPICS OF INTEREST
9. CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION: No action can be taken on any matter discussed under this item, although the Committee can direct that it be placed on a future agenda.

During Citizens Participation, any citizen in the audience may address the Committee on any matter. No vote can be taken on a matter not listed on the posted agenda; however, the Committee can direct that the matter be placed on a future agenda.

Each citizen must be recognized by the Chairman. The citizen is then asked to state his or her name, and to spell the last name for the record. The Chairman may limit remarks to three minutes’ duration, if such remarks are disruptive to the meeting or not within the Committee’s jurisdiction.

The Regional Transportation Commission keeps the official record of all proceedings of the meeting. In order to maintain a complete and accurate record, copies of documents used during presentations should be submitted to the Recording Secretary.

The Regional Transportation Commission appreciates the time citizens devote to be involved in this important process.

**The Regional Transportation Commission Meeting Room and Conference Room are accessible to the disabled. Assistive listening devices are available for the hearing impaired. A sign language interpreter for the deaf will be made available with a forty-eight hour advance request to the Regional Transportation Commission offices.
Phone: (702) 676-1500 TDD (702) 676-1834**

Any action taken on these items is advisory to the Regional Transportation Commission.

Slip Sheet

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: CITIZENS PARTICIPATION		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

In accordance with State of Nevada Open Meeting Law, the Regional Transportation Commission of Southern Nevada Freeway and Arterial System of Transportation (FAST) Operations Management Committee (OMC) shall invite interested persons to make comments. For the initial Citizens Participation, the public should address items on the current agenda. For the final Citizens Participation, interested persons may make comments on matters within the FAST OMC's jurisdiction, but not necessarily on the current agenda.

No action can be taken on any matter discussed under this item, although the FAST OMC can direct that it be placed on a future agenda.

Respectfully submitted,

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BRIAN HOEFT, P.E.
Director of FAST

*FAST OMC Item #1
August 1, 2019*

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: ELECTION OF OFFICERS		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE ELECT A CHAIR AND VICE-CHAIR FOR FISCAL YEAR 2020 (FOR POSSIBLE ACTION)		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

The Regional Transportation Commission of Southern Nevada (RTC) Policies and Procedures for the Freeway and Arterial System of Transportation (FAST) Operations Management Committee (OMC) provide that the offices of chair and vice-chair be rotated alphabetically by voting entity and elections be held on an annual basis. The succeeding chair will officiate at the August meeting and will serve for 12 months.

During the 2018-2019 term, the Nevada Department of Transportation has held the office of chair and the City of North Las Vegas has held the office of vice-chair. RTC staff recommends that the City of North Las Vegas hold the office of FAST OMC Chair and the Regional Transportation Commission of Southern Nevada hold the office of FAST OMC Vice-Chair for the 2019-2020 term.

Respectfully submitted,

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BRIAN HOEFT, P.E.
Director of FAST

***FAST OMC Item #2
August 1, 2019***

Slip Sheet

MINUTES
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
OPERATIONS MANAGEMENT COMMITTEE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA
JUNE 6, 2019

These minutes were prepared in compliance with NRS 241.035. Text is in summarized rather than verbatim format. For complete contents, please refer to meeting recordings on file at the Regional Transportation Commission.

**THIS MEETING WAS PROPERLY NOTICED AND POSTED
IN THE FOLLOWING LOCATIONS ON MAY 29, 2019**

Clark County Government Center
500 S. Grand Central Pkwy.
Las Vegas, NV 89155

City of Henderson
Office of the City Clerk
240 Water Street
Henderson, NV 89015

CC Regional Justice Center
200 Lewis Ave.
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CALL TO ORDER

Ms. Michelle Castro, Chair, called the meeting to order at 9:36 a.m. in Meeting Room A105 of the Traffic Management Center.

MEMBERS PRESENT:

Michelle Castro, Nevada Department of Transportation (Alternate), Chair
Joe Damiani, Regional Transportation Commission of Southern Nevada (Alternate)
Eric Hawkins, City of Henderson (Alternate)
Joseph Norby, City of Las Vegas

MEMBERS ABSENT:

Mike Hudgeons, City of North Las Vegas, Vice-Chair
Massoud Javid, Clark County Public Works

RTC/FAST STAFF:

Brian Hoeft, Director of Freeway and Arterial System of Transportation (FAST)
Jesus Marmolejo, FAST Manager of Traffic Systems Maintenance
Shital Patel, FAST Projects and Operations Manager
David Crisler, FAST Traffic Operations Supervisor
Gregg Rogers, FAST Traffic Systems Maintenance Supervisor
Theresa Gaisser, FAST Manager of Engineering
Walter Vodrazka, Jr., FAST Principal Project Engineer
Tammy McMahan, Management Analyst

INTERESTED PARTIES:

Rodney Schilling, Nevada Department of Transportation
Tim Reesman, City of North Las Vegas
Ben Taylor, Jacobs
Ron Riddels, Jr., Las Vegas Electric
Ati Abad, Atkins
Cody Lacoda, TransCore
Carlos Rolon, TransCore
Grant Shirts, Regional Transportation Commission of Southern Nevada
Tim Fischer, TransCore
Jerrod Ratcliffe, SHG
Michael Mosley, Kimley-Horn

FAST OMC Item #3
August 1, 2019

Item: 1. CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION
Comments: Ms. Sydney Komarmy, Chief Human Resources and Compliance Officer for the Regional Transportation Commission of Southern Nevada (RTC), announced that Mr. John Peñuelas had been promoted to the position of Senior Director of Engineering, effective July 1, 2019. She added that Mr. Peñuelas would be responsible for overseeing the Freeway and Arterial System of Transportation.
Motion: No motion was necessary.
Vote/Summary: No vote was taken.

Item: 2. APPROVAL OF THE MINUTES: Meeting of April 4, 2019 (FOR POSSIBLE ACTION)
Comments: No comments were made.
Motion: Mr. Joseph Norby, City of Las Vegas, made a motion to approve the minutes.
Vote/Summary: 4 Ayes. 0 Nays. The motion carried. Ayes: Chair Michelle Castro, Joe Damiani, Eric Hawkins, and Joseph Norby Nays: None Absent: Vice-Chair Mike Hudgeons and Massoud Javid

Item: 3. RECEIVE THE FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS (FOR POSSIBLE ACTION)
Comments: MAINTENANCE ACTIVITIES Mr. Jesus Marmolejo, Freeway and Arterial System of Transportation (FAST) Manager of Traffic Systems Maintenance, reported on maintenance activities. Mr. Marmolejo shared that FAST staff had made fiber optic cable operational along Horizon Drive and Arroyo Grande Boulevard. He added that cameras and intersections with traffic signals along those corridors had been integrated into the network. The FAST Manager reported that the Cisco wireless equipment in the area of Paseo Verde Drive and Carnegie Street had malfunctioned, but FAST personnel but had worked with City of Henderson (Henderson) staff members to resolve the issues. Mr. Marmolejo noted that new closed-circuit televisions (CCTVs) were being tested at the intersections of Boulder Highway and Basic Road, Boulder Highway and Major Avenue, and Boulder Highway and Wagonwheel Drive. Next, the FAST Manager communicated that fiber cable had been installed along Water Street between Basic Road and Lake Mead Parkway. FAST staff members were working with the contractor to have the cable spliced into the network.

Mr. Marmolejo then talked about some damaged fiber optic cable located on St. Rose Parkway near the Henderson Executive Airport. The cable had been affected by construction in the area. He shared that the developers were not making significant progress regarding repairs. As such, he mentioned that FAST staff members may need assistance from Henderson and Nevada Department of Transportation (NDOT) personnel to encourage the developers to complete the work.

The Manager of Traffic Systems Maintenance noted that FAST and City of Las Vegas (Las Vegas) staff members were working to repair damaged fiber cable located on Rancho Drive and Alexander Road. This cable had been damaged due to construction. Mr. Joseph Norby, City of Las Vegas, mentioned that he had contacted the contractor for a status report on the repairs. Mr. Marmolejo encouraged the continued involvement of the municipality since he was aware that another construction project would be starting in that area.

Mr. Marmolejo went on to report that a communication outage had occurred along Eastern Avenue from Rochelle Avenue to Russell Road. He explained that this happened since a traffic cabinet, located at Eastern Avenue and Rochelle Avenue, had been stricken. FAST personnel had to restore connectivity for the cabinet's circuits.

The FAST Manager shared that FAST maintenance personnel had been working on Enterprise Asset Management (EAM) projects. The maintenance personnel had been taking an inventory of all ITS devices on the freeways and arterials for the initial rollout of the EAM program. He shared that NDOT had also developed an EAM system. FAST and NDOT staff would be discussing how to enable data to flow back and forth between the entities' systems.

The Traffic Systems Maintenance Manager next talked about work related to the Freeway Management System. FAST staff were in the process of finalizing work on devices along Interstate 15 (I-15) in relation to Project Neon. Mr. Marmolejo shared that there had been delays due to ambiguities concerning the parties that were responsible for fiber cable on I-15 and the intersections near Grand Central Parkway and Charleston Boulevard. Regarding parties, he was referring to the Project Neon contractor and NDOT.

Mr. Marmolejo stated that FAST personnel had undertaken line locations at various freeway sites including I-15 for Project Neon, U.S. 95, and the 215 North Beltway.

The FAST Manager of Traffic Systems Maintenance mentioned that FAST, NDOT, and contractor staff had performed work on the Kyle Canyon Road interchange.

Mr. Marmolejo noted that several traffic cabinets in the Las Vegas Valley (Valley) had been struck. He detailed the locations as follows: Interstate 515 (I-515)/Boulder Highway, I-515/Jones Boulevard, Interstate 11/ Wagonwheel Drive, the 215 Beltway and I-15. FAST personnel had been working to repair the cabinets.

Mr. Marmolejo then announced the retirement of Mr. Gregg Rogers, FAST Traffic Systems Maintenance Supervisor, in June 2019. Mr. Marmolejo commended Mr. Rogers on his many accomplishments during his 30 years of service to various government agencies in Nevada. He noted that Mr. Rogers was the first person he had hired at FAST.

Mr. Brian Hoeft, Director of FAST, followed by announcing the retirement of Mr. Shital Patel, FAST Projects and Operations Manager, in June 2019. Mr. Hoeft noted that FAST's technological accomplishments and certain other work were due, largely in part, Mr. Patel's dedication and efforts. He

noted that the FAST Projects and Operations Manager had worked closely with local entities and vendors. Mr. Hoeft congratulated both Mr. Patel and Mr. Rogers on their retirement. The FAST Director added that an update on the process of filling these positions would be provided in an upcoming FAST Operations Management Committee (Committee) meeting.

OPERATIONS REPORT

Mr. Patel reported on operations activities.

The FAST Projects and Operations Manager said that the Congestion Mitigation and Air Quality Improvement Program (CMAQ) project was nearing completion. On behalf of FAST, he expressed appreciation to the local government entity personnel for their assistance and support in the migration of controllers. Mr. Patel added that there were a few remaining controllers on the i2 software system and this equipment was located in the jurisdictions of the City of North Las Vegas and Clark County.

Mr. Patel stated that FAST staff had continued to assist Las Vegas personnel with the installation of additional Dedicated Short-Range Communications (DSRC) units in the downtown Las Vegas area.

Next, the FAST Projects and Operations Manager mentioned that FAST personnel had handled several special events including the Electric Daisy Carnival at the Las Vegas Motor Speedway, and activities at the Las Vegas Convention Center and World Market Center. Additionally, FAST staff members had supported Clark County School District and other agencies at a number of community events promoting pedestrian safety.

Mr. Patel went on to note that FAST personnel had assisted with various construction projects around the Valley including Project Neon. The Project Neon work had involved several overnight closures along I-15, U.S. 95, and had impacted certain arterials.

The FAST Manager concluded his report by saying that FAST staff and a consultant had handled various timing projects at different sites including Grand Central Parkway, Bonneville Avenue, Craig Avenue, and Tropicana Avenue.

OPERATIONS AND SPECIAL PROJECTS

Next, Ms. Theresa Gaisser, FAST Manager of Engineering, addressed certain FAST operations and special projects. She talked about the continued coordination efforts of FAST, NDOT, and the Project Neon personnel regarding the Project Neon-related closures as well as the expansion of the high occupancy vehicle (HOV) lanes.

The FAST Manager of Engineering stated that Version 2.8 of the Advanced Traffic Management System (ATMS) Central Signal Software had been tested in April 2019 and testing for Version 2.9 would commence at a later date. She went on to mention that Version 2.10 was in development and FAST personnel would be reviewing its features and functionality. Ms. Gaisser reminded the Committee that the i2 software system is no longer supported by the current Windows platform. She noted that FAST personnel were continuing to work with the local entities to transition out of the i2 system.

Motion:

No motion was necessary.

Vote/Summary:

No vote was taken.

Item:

4. RECEIVE THE NEVADA DEPARTMENT OF TRANSPORTATION (NDOT)-FAST INTELLIGENT TRANSPORTATION SYSTEM OPERATIONS REPORT PERFORMED AS PART OF NDOT'S CONTRACTS (FOR POSSIBLE ACTION)

Comments:

Following a detailed handout [attached], Mr. Rodney Schilling, Nevada Department of Transportation (NDOT or Transportation Department), highlighted certain entries on the report, noting that the handout provided more in-depth information about the listed projects.

Projects Under Construction***Project Neon***

NDOT's Traffic Operations staff were continuing efforts with all of the Project Neon partners, including Freeway and Arterial System of Transportation (FAST) Operations staff members. He noted that standalone testing (SALT) of all Intelligent Transportation System (ITS) Advanced Traffic Management Systems (ATMS) and operational components was scheduled to take place during July and August 2019.

U.S. 95 Package 2B/5, Durango Drive to Kyle Canyon Road (Contract 3692)

Next, the NDOT representative informed the Freeway and Arterial System of Transportation Operations Management Committee (FAST OMC or Committee) that a celebratory event for the Kyle Canyon interchange was scheduled for June 20, 2019.

FAST Project H2, Interstate 15 (I-15) from Apex to Logandale-Overton Interchange (Contract 3703)

Mr. Schilling stated that Contract 3703 was expected to be completed soon.

FAST Project K1, U.S. 95 from California/Nevada Stateline to Boulder City Bypass (Contract 3736)

The NDOT representative reported that product submittals for signals, lighting, and ITS are being received and NDOT is working with the Transportation Department's Technology and Structure divisions to develop responses.

FAST Project H3, I-15 Logandale-Overton Interchange to the Arizona State Line (Contract 3740)

Mr. Schilling stated that the contract was under construction and work was progressing regarding the product submittal reviews and request for information (RFI) responses for signals, lighting, and ITS.

I-580, Washoe County, Damonte Ranch Parkway to Moana Lane

The NDOT representative shared that Contract 3762 had been awarded to Parr Electrical Contractors.

Projects Under Design***FAST Project K2, SR163 from US 95 to the Arizona State Line***

Next, Mr. Schilling reminded the Committee that FAST Project K2 was still delayed due to a permitting issue.

ITS Programs and Projects***Wrong Way Driver Testing***

The NDOT representative related that the Wrong Way Driver project remained on hold to allow for additional testing of the current system.

I-15/Multistate Corridor Operations and Management (MCOM)

Mr. Schilling indicated that this agreement with the Interstate 15 (I-15) mobility partners had

transitioned into the maintenance phase. He noted that freight operators are using a website, which includes a reference layer of established freight routes, for alternate route planning. He stated that only minor adjustments are expected for the project throughout the remainder of 2019. The NDOT representative stated that the partners would gather later this year to discuss the plan.

Dynamic Message Signs (DMS) Policy

Mr. Schilling reported that the updated DMS policy has been approved by the NDOT Director. The NDOT Director had requested the development of more creative DMS messages related to safety campaigns. He indicated that NDOT personnel would be working with partner agencies to develop these kinds of messages.

511 Traveler Information

The NDOT representative informed the FAST OMC that the website had experienced slowdowns due to technical difficulties experienced by the base map provider. NDOT personnel were working on the matter.

Traffic Incident Management (TIM) Coalitions

Mr. Schilling announced that the next Traffic Incident Management Coalition meeting was scheduled for June 27, 2019. He mentioned that one of the topics to be discussed would be the information that first responders need to know about autonomous vehicles at crash scenes.

Freeway Service Patrol (FSP/Hazmat/Waycare (FSP)

The NDOT representative went on to report that the Las Vegas area FSP had added three new incident response vehicles to the fleet. Also, he reported that the Hazmat contract would be presented at the NDOT Board of Directors June 17, 2019 meeting. He stated that the Waycare platform system tailored for the Transportation Department's maintenance personnel was scheduled to launch in July 2019.

NDOT/FAST Operations Agreement

The NDOT representative continued, commenting that the current NDOT/FAST Operations Agreement was a performance-based contract. He commended FAST personnel regarding their efforts to develop this document.

ITS Strategic Deployment Plan

Mr. Schilling reported that NDOT personnel was working on an ITS Strategic Deployment Plan (Plan) involving all three NDOT districts. He explained that this effort is performance-based and projects would be ranked on that basis. He added NDOT would be coordinating with entities and provide updates regarding the Plan.

Mr. Brian Hoeft, Director of FAST, asked if NDOT was working with a contractor on the ITS Strategic Deployment Plan. Mr. Schilling responded that NDOT was working with Atkins North America on this project. The NDOT representative added that the project was GIS-based and would maintain a map layer that could be incorporated into NDOT's five-year plan or, possibly, the One Nevada Transportation Plan.

Bicycle Lane Markings at Minor Intersections

The NDOT representative said that NDOT representatives had made a presentation to the Nevada Bicycle and Pedestrian Advisory Board (NBPAB) on March 21, 2019 and recommended the adoption of the Manual of Uniform Traffic Control Device (MUTCD) standard outlined in Part 9 of the 2009 Edition. The NBPAB had voted unanimously to adopt the provision and include it into the Nevada

Standard Plans. The NBPAB set forth the recommendations in a letter [attached] to the NDOT Director. NDOT asked that all other State of Nevada government agencies follow suit and adopt the provision.

Guidance for the Installation of Advanced Signal Warning Systems

Mr. Schilling announced to meeting attendees that NDOT, along with HDR Engineering, had launched an engineering study to evaluate existing advance warning systems currently active at traffic signals statewide. NDOT has been utilizing flashing systems that indicated the onset of an impending yellow light. Mr. Schilling noted that NDOT would like to coordinate with partner agencies as the study progresses. In addition, the Transportation Department wants to develop a plan to decommission and establish new guidelines for passive/static/active advanced signal warning systems.

Motion:

No motion was necessary.

Vote/Summary:

No vote was taken.

Item:

5. DISCUSS NEW TRANSPORTATION TECHNOLOGIES AND THEIR USE IN MEASURING, MONITORING, AND ENHANCING PERFORMANCE ON SOUTHERN NEVADA ROADWAYS

Comments:

GoMed Project

Mr. Brian Hoeft, Director of the Freeway and Arterial System of Transportation (FAST), recounted that the Regional Transportation Commission of Southern Nevada (RTC) had collaborated with the City of Las Vegas (Las Vegas) to develop the GoMed project. He explained that this effort would involve the operation of an autonomous shuttle between the downtown Las Vegas area to the Las Vegas Medical District. He mentioned that to fund the project, the RTC and Las Vegas had sought grant monies from the Federal Transit Administration (FTA) and were successful in this venture. Mr. Hoeft went on to say that the RTC and Las Vegas was awaiting feedback from FTA personnel as the work is being planned. Mr. Hoeft informed the FAST Operations Management Committee (Committee) that the project would involve meetings with various partners who are participating in this effort. The FAST Director indicated that he would continue to update the Committee.

Dedicated Short-Range Communications

Next, the FAST Director shared reported that there were continuing discussions with APTIV concerning Dedicated Short-Range Communications (DSRC) deployments along the Resort Corridor and downtown Las Vegas. The aim is to set up a system whereby self-driving vehicles could provide on-demand rideshare services through a partnership with Lyft, Inc. He added that the project coming to fruition is dependent upon the availability of the appropriate hardware and software. As such, FAST personnel were involved in this effort with the goal of a successful DSRC deployment.

FAST/Waycare Partnership

Mr. Hoeft related that RTC and Waycare had agreed to include an addendum to their current contract whereby more vehicle data would be captured. The Director explained that FAST currently collected data in the form of approximately half-a-million records regarding activities at signalized intersections and approximately 100,000 records of trips along signalized arterials. Furthermore, the current information was obtained from 300 vehicles via various methods. Mr. Hoeft stated that FAST staff members estimated that the number of vehicles could substantially increase from a figure of 3,000 to 10,000. He informed the Committee that FAST had established a Data Working Group to examine the data and develop performance measures. He noted that FAST personnel would also be reaching out to

personnel with the Southern Nevada entities to assist with analyzing this information. In addition, the FAST Director said that professors with the University of Nevada, Las Vegas professors would be invited to provide their insights on the data.
Motion: No motion was necessary.
Vote/Summary: No vote was taken.


Item: 6. DISCUSS COMMITTEE TOPICS OF INTEREST
Comments: No comments were made.
Motion: No motion was necessary.
Vote/Summary: No vote was taken.

Item: 7. CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION
Comments: Mr. Rodney Schilling, Nevada Department of Transportation, congratulated Mr. Shital Patel and Mr. Gregg Rogers, both with the Freeway and Arterial System of Transportation, on their retirements. He expressed that he had enjoyed a great working relationship with both of them.
Motion: No motion was necessary.
Vote/Summary: No vote was taken.

ADJOURNMENT

The meeting adjourned at 10:04 a.m.

Respectfully submitted,

DocuSigned by:

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 Tammy McMahan, Recording Secretary

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 Carmen Perkins, Transcription Secretary



NDOT-FAST ITS OPERATIONS REPORT

*June 6, 2019 OMC Meeting
Submitted by Rod Schilling*

Projects Under Construction

Project Neon (Contract 3624)

Testing continues for the ITS devices. Stand Alone Test (SALT) results are slower this past month.

US95 Package 2B/5, Durango Drive to Kyle Canyon Road (Contract 3692)

A celebration event to commemorate the new Kyle Canyon Interchange will take place on June 20 ~ 11 a.m. at the new Kyle Canyon Interchange. All signal, lighting and ITS work has been going well.

FAST Project H2, I15 from Apex to Logandale-Overton interchange (Contract 3703)

The transformer challenge in late April has been resolved. This contract is expected to be finished soon.

FAST Project K1, US95 from CA/NV Stateline to Boulder City Bypass (Contract 3736)

Signals, lighting and ITS is receiving product submittals and are working with the Technology and Structure sections to develop responses.

FAST Project H3, I-15 from Logandale-Overton interchange to the AZ state Line

Contract 3740 is under construction and signals, lighting and ITS are supporting with product submittal reviews and RFI responses.

I 580, Washoe County, Damonte Ranch Parkway to Moana Lane

Contract 3762 was awarded to Par Electrical Contractors. The notice to proceed is scheduled for July 15, 2019.

Projects Under Design

Fast Project K2, SR163 from US95 to AZ State Line

Status same as previous update. The NV Energy permitting process with BLM has been delaying this project. The project has been pushed to Federal FY20, and the contract will now advertise on 02/26/20.

ITS Programs & Projects

Wrong Way Driver

C 3653 (TM4, US 395 north of I 80) We are working with the Resident Engineer and contractor to get the systems set up, integrated and delivering accurate information.

I-15 MCOM

The agreement has moved into a maintenance phase with the I-15 mobility partners. This agreement will keep the site running through the end of 2019. Freight operators are using the site that includes a reference layer of established freight routes for alternate route planning. Only minor adjustments and quarterly reports are expected on the project throughout 2019 in addition, the partners will gather later this year to discuss the plan.

DMS Policy

The DMS Guidelines and Procedures have been executed and signed by the director. We will work toward incorporating more creative messages moving forward by working with PIO, DMS Committee and researching best practices from other states.

511 Traveler Information

The site is experiencing slowdowns from the base map provider. We are working on solutions to regain fluidity. D1 flow detector data has stopped coming through to the site since last week. TOTS is working on a solution.

Traffic Incident Management (TIM) Coalitions

The next coalition meeting will take place on June 27th and includes construction updates, what first responders need to know about autonomous vehicles at crash scenes. Nevada has achieved 55.3% of first responder receiving the SHRP2 training.

Freeway Service Patrol/Hazmat/Waycare

FSP: Las Vegas has added three new incident response vehicles to the fleet. These vehicles have increased storage for traffic control and other equipment. The new fleet includes the Safety Patrol Vehicle (SPV), the most versatile vehicle for narrow shoulders and tight places; the Incident Response Vehicle (IRV) has increased temporary traffic control equipment for incidents requiring road closures; the Flatbed Multi-Use Response Vehicle (FB-MRV) is capable of removing two crashed vehicles from travel lanes simultaneously; and the Wheel-Lift Multi-Use Response Vehicle (WL-MRV) has four-wheel drive and can better assist with recovering crashed vehicles at various angles and mitigating incidents during snow storms. Next coordination meeting will be in the month of July.

Hazmat: The new Hazmat contract will appear on at the June 17th board meeting. We are working on a fact sheet in preparation of possible questions. Service is expected to begin on July 1, 2019.

Waycare: The platform system for district maintenance personnel is currently under development and is scheduled to be ready for testing in mid-June and launch is scheduled to be ready mid-July pending testing results.

NDOT FAST Operations Agreement

FAST and NDOT have ongoing meetings scheduled to discuss several elements of the FY20/21 agreement. Items under discussion include migrating NDOT ITS to the NDOT fiber network, incident management planning and enhanced documentation of expenses. The next meetings reviewing all efforts is scheduled for June 19, 2019.

ITS Strategic Deployment Plan

A coordination meeting with District I was held on April 30th to get further detail on proposed projects. Traffic Operations is now prioritizing and packaging projects using TSMO Strategies Investment Prioritization Tool. Completion of the project is estimated for mid to late September and will include a GIS map of the proposed projects and contract tracking information. Coordination with District I and FAST will continue as progress is made to ensure that the goals of TSMO and the District are met.

Development of Nevada Standard Plans for Bicycle Lane Markings at Minor Intersections

The Nevada Bicycle and Pedestrian Advisory Board (NBPAB) had a presentation from NDOT on March 21, 2019 to adopt the Manual of Uniform Traffic Control Device (MUTCD) standard outlined in Part 9 of the 2009 Edition. The NBPAB unanimously voted to provide a recommendation of

support for inclusion of this standard into the Nevada Standard Plans. As part of the 2019 NDOT update, this standard is being included (see attached Bicycle Lane Markings.pdf).

Guidance for the Installation of Advanced Signal Warning Systems

NDOT, along with their partnering agencies, are in the process of reviewing best practices for advance warning displays at traffic signals. Historically, the department has used flashing systems that indicate the onset of an impending yellow light. Research has shown that these systems lengthen the "dilemma zone" in which drivers are unsure whether to stop or proceed and encourages more drivers to unreasonably speed up to "beat the light." This results in increased aggressive driving behavior and causes more crashes to occur than is the case without the advance indication of the change to yellow. The Federal Highway Administration does not believe it is appropriate to allow any such pre-yellow signal displays for vehicular traffic control signals. In April, NDOT and HDR launched an engineering study and began gathering field data and evaluating the other existing active warning signals statewide, conducting a literature review and developing the updated guidance for selection, design, sign layout and timing parameters necessary for static, passive and active advanced signal warning systems. NDOT will ensure to coordinate with our southern Nevada partnering agencies as this engineering study develops.

Diana Hollander
Dept. of Education

Ken Mammen
Dept. of Transportation

Janice Keillor (Vice Chair)
Div. of State Parks

Rebecca Barnett
Dept. of Public Safety

Kristi Robusto
Health Division

Teri Laursen
Commission on Tourism

Bruce Tipton
Div. of Environmental Protection

State of Nevada
Steve Sisolak
Governor



Brook Brumfield
Org. Promoting Bicycling/Walking

Denis Coyne
Org. Bicycle/Pedestrian
Safety/Education

Tracy Brown-May
General Public

Bob McCall
Bicycle/Pedestrian Business

Currently vacant
Org. on Environmental Issues

Ron Floth (Chair)
General Public

Joseph Bruce
Under 21 Years of Age

BICYCLE AND PEDESTRIAN ADVISORY BOARD

1263 S. Stewart St.
Carson City, Nevada 89712

(775) 888-RIDE

April 3, 2019

Kristina Swallow, P.E., Director
Nevada Department of Transportation
1263 South Stewart Street
Carson City, NV 89712

Subject: Development of Nevada Standard Plans for Bicycle Lane Markings at Minor Intersections

Dear Director Swallow,

The Nevada Bicycle and Pedestrian Advisory Board recently had an opportunity to review a proposed standard for the marking of bicycle lanes at minor intersections where no dedicated right turn lanes exist, into the Nevada Standard Plans for Road and Bridge Construction (Nevada Standard Plans). This new addition to the Nevada Standard Plans will adopt the Federal Manual of Uniform Traffic Control Devices (MUTCD) standard outlined in Part 9 of the 2009 Edition. A presentation was given by Rod Schilling of the NDOT Traffic Operations Division at our meeting on March 21, 2019. As you know, the consideration of all roadway users, and their interaction, is essential to the development of meaningful, connected networks for the mobility and safety of our citizens, especially bicyclists and pedestrians. This proposed Nevada standard using "dotted line" markings approaching intersections will provide greater consistency across the state regarding the treatment of bicycle lanes at minor intersections where no dedicated right turn lanes exist.

After review of the newly proposed standard for bicycle lane markings by our members, the Nevada Bicycle and Pedestrian Advisory Board unanimously voted to provide an advisory recommendation of support for inclusion of this standard into the Nevada Standard Plans.

The Nevada Bicycle and Pedestrian Advisory Board was happy to again be of service and feels very gratified in being able to assist your agency with this task. We look forward to working with you and the NDOT on future projects.

Sincerely,


Ben Floth
Chairman

cc:
Sondra Rosenberg, NDOT Planning
Thor Dyson, NDOT Operations

Red Slip Sheet

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (FAST) OPERATIONS MANAGEMENT COMMITTEE RECEIVE THE FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS (FOR POSSIBLE ACTION)		
GOAL: MAINTAIN AND IMPROVE TRANSPORTATION SYSTEM INFRASTRUCTURE		

FISCAL IMPACT:

None by this action

BACKGROUND:

The monthly Activity Reports (Freeway Management System (FMS) and Arterial Management System (AMS), AMS Operations by Agency, and Complaints/Controllers Reports) are included in the backup.

Respectfully submitted,

DocuSigned by:

 B84C3A843AEC4DD...

BRIAN HOEFT, P.E.
Director of FAST

***FAST OMC Item #4
August 1, 2019***

cp

M E M O R A N D U M

To: Freeway and Arterial System of Transportation Operations Management Committee (FAST OMC)

From: FAST Maintenance and Operations

Date: August 1, 2019

Subject: FAST Activity Report from March 20, 2019 through July 17, 2019

AMS Maintenance Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
10/16/18 13:52:13	Lone Mountain / 215 SB	No PTZ on CCTV 3583. Waiting on contractor to replace Cohu CCTV under warranty.	Las Vegas		Notified LV Electric to replace under warranty.	Open
06/28/19 12:16:49	5029 Sunset/Arroyo Grande	Bad picture	Henderson		Notified LV Electric to replace under warranty.	Open
05/28/19 11:04:25	Paseo Verde / Carnegie	Link to Paseo Verde / Carnegie is down.	Henderson		Notified City of Henderson that there appears to be a problem with the Cisco APs in that area.	Open
03/07/19 10:40:00	Major/Boulder HWY	No video, camera 5007 is missing.	Henderson		Accident took out the pole, new Sidewinder camera install, waiting on the power end to be terminated.	Open
06/06/19 10:46:44	Paradise/Convent ion SB bus stop	This bus stop is being removed for construction.	RTC		Remove all FAST equipment from SB bus stop and camera that looks at NB bus stop. Splice fiber	Open

					through to maintain connection to switch at paradise/Convention Center NB bus stop.	
07/16/19 13:14:12	camera 5162 (St. Rose/Maryland)	camera 5162 has no zoom in or out	FAST			Open
08/07/18 06:27:11	camera 2123	camera 2123 has no PTZ	FAST		Camera loses memory and reverts to Cohu on reboot. Set to Fast Field Protocol. OK for now, but will need to be replaced eventually.	Open
07/01/19 14:36:03	Flamingo Rd	No Comm to Flamingo/I-15 NB and Flamingo/I-15 SB. Conduit damaged, copper stolen. 300 ft east of Traffic cabinet on bridge over railroad tracks.	NDOT		Configure and install Encom radios on Flamingo at Hotel Rio and at I-15 SB.	Closed
07/17/19 09:33:49	Maryland & DI	No Communications	Clark County		Replaced Switch	Closed
07/16/19 10:57:03	Sunset / McLeod	No Comm. to cabinet.	Clark County		Car accident took out traffic cabinet, waiting on C.C. to replace cabinet. Replaced switch and RJ11 wiring harness.	Closed
07/12/19 10:08:08	south CC 215	Unable to retrieve serial numbers from some cameras remotely.	Clark County		Physically gather serial numbers from cameras that were unable to view remotely along south 215. Also cleaned cameras.	Closed

07/05/19 15:33:49	Nellis / Lake Mead	Encom at Nellis/Lake Mead not transmitting to 2 remote radios.	Clark County		Hard reboot all equipment in cabinet at Nellis/Lake Mead. Test OK.	Closed
06/27/19 13:46:54	Rainbow / 215 WB	No zoom.	Clark County		Replace camera. Test Ok and update documentation.	Closed
06/25/19 14:39:04	Russel & LVBLVD	Camera 2488 Ghosting camera needs replaced	Clark County		Found loose fiber jumper at LV Blvd / Mandalay. Clean fiber jumper, ports and reseal fiber connectors. Test OK.	Closed
06/24/19 08:50:36	Stephanie & 215South	No Communications	Clark County		Replaced Switch bad port7	Closed
06/18/19 10:19:16	I-15/Silverado East side	No Title no character generation	Clark County		Entered title via encoder.	Closed
06/11/19 15:58:35	2071 Sunset and Las Vegas Blvd	Camera feed bad, ghost images	Clark County		Replaced encoder.	Closed
06/03/19 10:56:26	Rochelle & Eastern	No Communications Due to 401	Clark County		Re-establish communication	Closed
05/30/19 11:06:10	Flamingo west of Decatur	Dirty Cameras.	Clark County		Clean all cameras west of Decatur on Flamingo, as well as the camera at Russell/Polaris.	Closed
05/30/19 09:48:11	Decatur & CC215 WB	Snowy video.	Clark County		Replaced camera.	Closed
05/29/19 11:12:39	Charleston/Sloan	No Comm. to cabinet.	Clark County		Used Green & Green White pair going from Charleston & Christy going to Charleston & Sloan.	Closed
05/15/19 13:17:18	Tropicana / Jones	Lines in video and no text location overlay.	Clark County		Replaced camera.	Closed

05/15/19 10:49:57	Charleston/Sloan	No Comm. going to cabinet.	Clark County		Re-spliced DSL cable going to switch, with scotch locks connectors.	Closed
05/14/19 15:43:23	Lake Mead / Hollywood CCTV 2001	Camera not working. Clark County determined that the only circuit in the cabinet is not big enough to support all the equipment, so they unplugged our camera until they can get a 2nd circuit installed.	Clark County		Camera is back online, so I assume that Clark County was able to install a 2nd circuit.	Closed
07/16/19 15:07:55	MLK / Pinto	Intermittent Comm. going to cabinet.	Las Vegas		Replaced RJ11 jumper going to port 7 on switch.	Closed
07/12/19 14:05:15	Lake Mead / Comstock	New WTI at this location.	Las Vegas		Configure WTI camera and also configure in KITS and Canvas.	Closed
07/10/19 12:04:55	Hualapai/Crestdale	No communication to this intersection yet.	Las Vegas		Configured and installed new Dual Encom radio at Far Hills/Anaszai and remote Encom at Crestdale and Hualapai.	Closed
07/05/19 15:32:30	Charleston / Arts	Link between the 2 switches at Charleston/Arts is down.	Las Vegas		Ethernet cable between switches was disconnected. Reconnected and all is good.	Closed
07/05/19 05:35:39	Lake Mead & D Street	No link to this DSL switch.	Las Vegas		Reseat loose auxiliary circuit breaker.	Closed
07/03/19 12:43:45	Rancho & Corporate	New intersection needs communication.	Las Vegas		Fiber team spliced in Gator Patch, and we configured and installed new switch.	Closed

07/02/19 13:01:27	Cheyenne/Ft Apache	No Communications	Las Vegas		Replaced Switch	Closed
06/28/19 06:49:11	MLK / Pinto	Link from MLK/Alta to MLK/Pinto is down.	Las Vegas		Restored power	Closed
06/22/19 07:52:27	Lone Mountain/215	CCTV 3297, no zoom	Las Vegas		Verified bad camera. Notified LV Electric to replace under warranty. Replaced camera, Video looks good.	Closed
06/21/19 13:37:24	Charleston/28th st	No Comm. to cabinet.	Las Vegas		Contractor working on installing new conduit to cabinet pulled our copper line made the two ends of rj11 cable short out. Installed scotch locks on the ends of the cable and test, check good.	Closed
06/20/19 14:40:28	Summerlin WB / Town Center	New WTI camera.	Las Vegas		Configured WTI and encoder. Added to KITS and Canvas. Updated IP list.	Closed
06/20/19 11:29:36	Town Center / Summerlin WB	New intersection to be added to network	Las Vegas		Fiber team repaired incorrect splice at Summerlin WB/Town Center. Configure and installed new switch. Add to RNMS and update IP list.	Closed
06/19/19 10:02:06	Box Canyon/Tenaya	No Comm. to cabinet.	Las Vegas		Found 25 pair copper line running from Box Canyon to MT View Hospital to Cheyenne on Tenaya. Connected Box Canyon and MT View to Cheyenne circuit.	Closed
06/07/19 09:56:49	Rancho/Oakey	No Comm. to cabinet.	Las Vegas		Replaced switch (10.21.2.130).	Closed

06/04/19 12:45:25	Lake Mead	Dirty Cameras.	Las Vegas		Clean all cameras on Lake Mead from CC-215 to Hollywood.	Closed
06/03/19 10:54:39	Eastern & Ceader	No Communications	Las Vegas		Moved Fiber from port 7 to port 8	Closed
05/31/19 13:59:36	Fremont/ 8th	The #2 BRT axis camera (10.31.3.14)is intermitent packet loss.	Las Vegas		Switched POE port from the 2nd port to forth port to check if problem is with POE or camera.	Closed
05/31/19 10:05:22	Charleston/I-15NB	Need communication to this intersection	Las Vegas		Configure and install 2nd DSL switch at Charleston/Grand Central and at Charleston/I-15 NB. Configure traffic controller comm parameters. Add to RNMS and IP listing.	Closed
05/22/19 10:17:16	Charleston/I-15 SB	No Comm. to cabinet.	Las Vegas		CAT5 cable going from SWC to NWC (where cabinet is) is missing. Project Neon Contractor replaced the cable. DSL link is back up.	Closed
05/14/19 11:23:23	Jones/Craig DMS	No communication to switch at Jones/Craig DMS. Verified power at pedestal is OK. Will need ladder to get to sign.	Las Vegas		Replaced switch.	Closed
05/14/19 09:25:01	Bonneville/3RD	The circuit from Bonneville and 3RD going east is down.	Las Vegas		Replaced switch on Bonneville and 3RD ST.	Closed
05/14/19 07:04:32	MLK Circuit 21-1	Circuit on MLK from Lake Mead to Metro Plaza is	Las Vegas		After Gator Patch was installed and cabinet had power,	Closed

		down due to new cabinet installed at Lake Mead/Comstock and being tied into fiber.			we installed a switch. All Ok.	
06/12/19 09:02:40	Decatur/Shadow Mountain	No Comm. to cabinet.	North Las Vegas		#2 port on CDCA was bad, switched over to #3 port, and also the switch was bad, replaced switch.	Closed
07/12/19 14:03:10	St. Rose / Amigo (5185)	Bad iris in WTI camera. May still be under contractor's warranty.	Henderson		Adjusted Iris settings in WTI camera control software.	Closed
07/08/19 16:17:51	Pecos & 215	CCTV 50181 does not focus when zoomed out	Henderson		Upgrade firmware in Cohu. Test all PTZ functions - OK.	Closed
07/02/19 11:16:15	Horizon/Amador	No link on Horizon between Valle Verde and Amador.	Henderson		Replace bad switch at Horizon/Amador.	Closed
06/28/19 14:47:41	Arroyo Grande	Configure and install new 1G switches for new circuit on Arroyo Grande from Wigwam to Sunset and over to Sunset/Whitney Ranch. Update IPs of all equipment as listed in IP list. Update all documentation	Henderson		Configured and installed new switches and updated IP addresses of all equipment at Sunset/Arroyo Grande, Sunset/Whitney Ranch, Arroyo Grande/Warm Springs, Arroyo Grande/Santiago, American Pacific, Windmill, and Wigwam. Configure cameras, encoders, and update KITS and Canvas.	Closed
06/28/19 12:30:45	Sunset	Remove Encom radios at	Henderson		Removed Encom radios at	Closed

		Sunset/Stephanie and at Sunset/Whitney Ranch			Sunset/Stephanie and Sunset/Whitney Ranch.	
06/13/19 12:22:40	Racetrack/Boulder NB	#1 BRT camera is not working.	Henderson		Reboot POE, camera came back on.	Closed
05/23/19 12:17:49	Warm Springs/Arroyo Grande CCTV 5049	New camera.	Henderson		Configure and install encoder. Configure Cohu camera. Add to KITS and Canvas. Test OK	Closed
05/22/19 13:50:41	Stephanie/Wigwam	Circuit on Stephanie from 215NB to Horizon is offline.	Henderson		R&R switch	Closed
05/22/19 07:53:27	Stephanie	Circuit on Stephanie from 215NB to Horizon comes and goes offline.	Henderson		Clean fiber connection on Stephanie between Wigwam and 215WB. Communication link is steady now.	Closed
05/21/19 13:09:06	Wagon Wheel	Install Encom radios to link Boulder/Wagon Wheel and I-515 NB/Wagon Wheel and I-515SB/Wagon Wheel to our network.	Henderson		Configured and installed Master at Boulder/Magic and remotes at Boulder/Wagon Wheel and at I-515NB/Wagonwheel, as well as associated switches and encoder/CCTV. Add to KITS and Canvas.	Closed
05/17/19 11:16:17	Gibson / Wigwam CCTV #5181	No focus on camera.	Henderson		Configure and replace WTI camera. Test Ok.	Closed
07/11/19 08:01:28	Tropicana/LV Blvd NB BRT	TVM being reinstalled. Will need to re-splice fiber and install switch.	RTC		Fiber team re-spliced Gator Patch into trunk line. We reinstalled Ruggedcom Switch. Test OK.	Closed

07/09/19 15:55:10	BRT Grand Central/ Symphony	BRT circuit south of Symphony down	RTC		Fiber team did an emergency splice where our fiber was damaged by contractor on Grand Central between Symphony and Clark-Robin Leach.	Closed
07/02/19 05:43:59	camera 6008	This bus station camera is no longer pointing at bus station.	FAST		Configure and use Data Port 2 on the encoder. Test PTZ OK. Move camera to correct location.	Closed
06/17/19 08:37:44	Paradise & Twain	No PTZ	FAST	06/17/19	Camera and encoder replaced.	Closed
06/17/19 05:36:07	camera 2237	camera 2237 has no PTZ	FAST		Duplicate entries.	Closed
05/13/19 05:50:19	camera 3584	Ann Rd./215 NB the camera has no zoom	FAST		Replaced camera. Test OK	Closed

FMS Maintenance Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
07/11/19 09:06:45	CCTV 316	just static	NDOT			Open
06/24/19 12:37:20	DS 2	Has 24V leaving cabinet, 0V at pole	NDOT			Open
05/20/19 13:36:01	DS 7 WB215 to SB I-15	Transformer pedestal for DS 7 knocked down.	NDOT		Turned off breaker at power pedestal. Waiting on Transcore to replace transformer pedestal.	Open
05/10/19 07:52:46	I-515 NB Boulder On ramp	Meter on luminaire pole knocked down	NDOT		Recovered knocked down pole. Waiting for contractor repair. Base damaged	Open
04/16/19 06:17:02	DS 233 pins 7-10	Detector pole knocked down.	NDOT		Waiting for contractor to replace pole.	Open
04/15/19 06:56:22	ds 212	no detection	NDOT		Pole knocked down, awaiting replacement	Open

04/04/19 05:43:56	ds 566	no data	NDOT		Can't talk to radar head, LVE to replace under warranty	Open
01/28/19 07:25:58	ds 406	pole knocked down	NDOT		FAST staff picked up pole. Contractor to replace pole. FAST staff located boxes for contractor.	Open
05/16/18 07:06:13	CCTV 217	Cable in the pole is bad. Camera will be out of operation until contractor repair.	NDOT			Open
03/21/18 05:35:08	DS 499	City pole knocked down and base broke power wire to DS 499. Waiting on city to replace pole.	NDOT			Open
06/19/17 12:57:41	Detector 450	Pole knocked down.	NDOT		FAST staff picked up the poles and brought them back to the TMC. Awaiting contractor to replace pole and radar head.	Open
06/09/18 06:59:27	CCTV #709, CC-215 EB Aviary	no video.	Clark County		known cabling issue, no immediate timeframe for replacement	Open
11/25/18 19:46:33	I-515 Paradise Hills	Camera 426, power issues	FAST	11/25/18	Known cabling issue, no immediate time frame for replacement	Open
07/11/19 09:07:10	dms 34	no travel times	NDOT		FAST staff replaced board inside the sign and reset to the correct font.	Closed
07/10/19 15:59:56	DMS 12	No communication, rodents chewed through fiber CDCA	NDOT		Replace fiber CDCA to DMS cabinet	Closed
07/07/19 09:01:10	Decatur & 215	Cannot zoom CCTV 501	NDOT		Rebooted camera, all ptz functions working now.	Closed
07/01/19 14:08:59	tts 82	not posting	NDOT		Reset boards, no help. Reset power to entire	Closed

					sign, began posting again.	
07/01/19 14:08:40	TTS 81	not posting	NDOT		Reset boards, no help. Reset power to entire sign, began posting again.	Closed
06/26/19 12:24:32	TTS 82	Travel times not posting.	NDOT		Reset sign	Closed
06/26/19 12:13:17	TTS 81	Travel times not posting	NDOT		Reset sign	Closed
06/10/19 06:05:00	cctv 400	needs cleaning	NDOT		FAST staff cleaned dome style camera.	Closed
06/03/19 12:47:38	ds 349	no data	NDOT		FAST staff replaced old iSS head with a Wavetronix, rewired both pole and cabinet, installed a Comtrol, test ok	Closed
05/21/19 13:44:58	ds 556	no data	NDOT		Reset port on switch, then logged into head to recover link to Kits. test ok	Closed
05/21/19 13:38:33	ds 555	no data	NDOT		logged into head, reset software on it, test ok	Closed
05/21/19 13:32:20	ds 554	no data	NDOT		Reset 301 click card, test ok	Closed
05/21/19 13:31:59	ds 551	no data	NDOT		Reset 301 click card, test ok	Closed
05/21/19 13:31:36	ds 550	no data	NDOT		Reset 301 click card, test ok	Closed
05/21/19 13:31:14	ds 549	no data	NDOT		Reset 301 click card, test ok	Closed
05/15/19 15:13:53	CCTV 412	No video	NDOT		Camera is bad and will be replaced tomorrow. Camera was replaced and fully operational.	Closed
05/14/19 15:48:28	CCTV 121	Dim video	NDOT		Rich and Michael Physically rebooted camera; came back good.	Closed
07/09/19 08:27:58	TMC offices	DMS Comm server down	FAST		Restart KITS DMS Comm service	Closed

07/09/19 06:50:45	camera 500	camera 500 has no PTZ	FAST		Camera PTZs, will monitor.	Closed
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Operations Projects Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
06/19/17 11:17:43	2408 Blue Diamond/Jones	FAST staff is requesting contractor place an extension pole at the camera location 2408 Blue Diamond/Jones. Says camera is too low, and luminaires are blocking the view.	Clark County		Please check camera to see if an extension pole can be installed at this location. YES extension can be installed; FAST staff has to budget for this for next fiscal year.	Open
04/18/19 14:57:28	Bonneville	Stopping E/W traffic during the day.	Las Vegas		Enabled pattern 4 (70 second) during the midday. Will observe AM next week. Enabled AM 80 pattern as well.	Open
07/15/19 09:07:48	Las Vegas Blvd	Controllers at Town Center and the 215 Ramps were upgraded to ATMS so this segment of Las Vegas Blvd needed to be retimed for coordination	Clark County		Retimed AM peak patterns and will do midday patterns today. Minor changes made to midday patterns.	Closed
05/13/19 09:37:53	Mlk/US95 SB	Adjust pattern after construction	Las Vegas		Adjusted offsets/splits at MLK/US 95 interchange in AM pattern 17 (160) to accommodate new roadway changes.	Closed

Operations Special Events Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
07/16/19 12:11:55	S H Hospital ER	Southern Hills Hospital ER at the Lakes Safety Event. RTC/FAST Kindergarten Crosswalk.	Clark County	06/29/19	Attended Safety Event from 0900 to 1300	Closed
07/16/19 12:03:13	UNLV	UNLV Safety Event Forum RTC/FAST Kindergarten Crosswalk for pictures.	Clark County	06/20/19	Attended Safety Event from 0800 to 1200	Closed
07/16/19 11:57:45	Boulevard Mall	UNLV/CCSD Safety Event RTC/FAST Kindergarten Crosswalk.	Clark County	05/24/19	Attended Safety Event from 0800 to 1200	Closed
05/16/19 12:36:59	Batterman ES	CCSD Bike Rodeo safety event RTC/FAST Kindergarten Crosswalk	Clark County	05/16/19	Attended Bike Rodeo from 1500 to 1830	Closed
05/16/19 12:32:41	Stanford ES	CCSD Bike Rodeo @ Stanford ES. RTC/FAST Kid Crosswalk.	Las Vegas	05/11/19	Attended Bike Rodeo from 0730 to 1200	Closed
05/16/19 12:26:26	Kelly	CLV/CCSD Safety Event RTC/FAST Kindergarten Crosswalk	Las Vegas	05/09/19	Attended Safety Event from 1600 to 1930	Closed
05/16/19 12:22:56	Hollingsworth ES	CLV/CCSD Safety Event RTC/FAST Kindergarten Crosswalk	Las Vegas	05/03/19	Attended Safety Event from 1500 to 1900	Closed
05/16/19 12:20:07	Williams ES	CLV/CCSD Safety Event RTC/FAST Kindergarten Crosswalk.	Las Vegas	05/02/19	Attended Safety Event from 1630 to 2000	Closed
05/16/19 12:14:47	Reed ES	CLV/CCSD Safety event RTC/FAST Kindergarten Crosswalk	Las Vegas	05/01/19	Attended Safety Event from 1500 to 1900	Closed

Operations Construction Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
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04/30/19 07:28:42	Oso Blanco	WB down to 1 lane, needs more time.	Clark County		Built, enabled 180 second cycle for the AM rush.	Open
02/21/19 14:22:11	Decatur	W/S lanes blocked, needs split phased.	Clark County		Enabled pattern 47 to split phase E/W for construction.	Open
02/12/19 15:49:50	Blue Diamond	Split phased N/S. E/W platoons stopping both directions. Need patterns for AM,PM rush.	Clark County		Built split phase patterns for AM and PM rushes. Adjusted schedule.	Open
11/26/18 13:08:47	Tropicana	need plans/schedule built for construction	Clark County		Built 2 free plans and schedule to run intersection for construction project per CC request.	Open
09/19/18 15:17:59	Lone Mountain & Durango	e got a complaint about the northbound backup at this intersection due to the temporary traffic control set up, northbound is down to one lane..	Clark County	09/17/18	It looks like it is split phased east and west. We are going to increase the northbound max to try to help traffic. I rose the N/S Max time from 30 to 40 seconds. N/S is on detection and seems to be working.	Open
04/25/19 12:51:41	Charleston	need patterns built for Neon Charleston closure	Las Vegas		Pre-built 120/140 patterns along Grand Central from Iron Horse to Bonneville. Built 120/140 patterns along Bonneville from Premium Mall to MLK. Charleston/Grand Central “free”, heavy max times for EB. Main/Wyoming “free”, heavy max times for EB/ E/N. Imperial/Commerce removed side street recall from pattern 10 Oakey/Western “free”, heavy max times SB, S/E, no detection maxing all directions, no comm, web access does work. Industrial/Wyoming	Open

					“free”, heavy max times EB, max recalls for detection not working.	
01/28/19 07:01:17	Charleston	N/W ramp backing onto freeway in AM rush	Las Vegas		Lag W/S at Charleston/SB I-15 ramp to create gap in traffic for off-ramp traffic at Grand Central to enter intersection until dedicated right turn lane is opened. AM and Midday patterns have this temp change	Open
03/19/18 15:28:17	Industrial & North Bridge / South Bridge	North Bridge signal changed to have a protected SB left turn signal without a left turn lane. Intersection running north/south split phase pattern	Las Vegas	03/19/18	Created AM/PM patterns for the North Bridge and South Bridge intersections that split phase both intersections for coordinated flow through the intersections. Trying this out to see if it works better than non-split phase pattern for South Bridge because of the difference in green windows for northbound traffic	Open
02/04/18 12:16:56	Burkholder & Center / Major	Please note: This intersection will be undergoing major underground work. As a result the safety of the construction crews and the motoring public detours will be in place and the traffic signal will be placed in flashing red until the project in the intersection is complete. The closure will be in effect 24/7. Current	Henderson	01/02/18	The traffic signal will be placed in flashing red until the project in the intersection is complete. We will be monitoring the progress and will return the traffic signal to normal operation when complete. Construction still ongoing, new controller has not been installed yet.	Open

		estimate of completion is two weeks. We will be monitoring the progress and will return the traffic signal to normal operation when complete.				
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Operations Incidents Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution	Status
07/20/18 15:05:30	Boulder Hwy, Sunset-Russell	Boulder Hwy, Between Sunset-Russell, all NVE power poles along Nb Boulder Hwy fell into road during storm, approx. 4:30AM on 7/20/18.	NDOT		Posted traffic alerts regularly, made signal timing adjustments at Boulder/ Sunset and Boulder/ Russell. No signal power at Boulder/ Gibson and Boulder/Galleria	Open
08/31/18 08:32:18	Russell, CC-215-Fort Apache	Russell is CLOSED for police activity between SB CC-215 and Fort Apache, early morning on 8/31/18.	Clark County		WB Traffic is detour on to the SB CC-215, put it free and omitted phase 4 (EB) to give more time to the WBL. Sent out traffic alerts.	Open
08/16/18 06:55:10	#3349, MLK/ Lake Mead	Crash occurred roughly 6:45am on 8/16/8, along Lake Mead, between revere and MLK, closed road in both directions.	Las Vegas		Posted text alerts and set intersection signal timing to FREE, plan1, for min 120 mins and continued to monitor.	Open

FAST OMC Citizen Complaints Report

Agency	Location	Date Entered	Date To Agency	Status
NDOT	Pebble	06/05/19 08:42:23	N/A	Closed
Detailed Description			Action Taken By Staff/Resolution	

Driving NB & SB on Pebble at about 1 or 2 am the side street comes up with no vehicles. Not sure if the directions are correct because Spencer is the NB & SB

SB max recall has been programmed in the controller, sent complaint to county to see if it can be removed. recall removed.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Swenson & Sierra Vista	07/09/19 22:25:14	07/15/19	Open
Detailed Description		Action Taken By Staff/Resolution		
Ped light comes on when no peds are present, no direction given. Could be other detection problems 22:15		NB ped keeps recalling, sent to county to check out.		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2184 Buffalo & Twain	06/11/19 07:07:58	06/11/19	Closed
Detailed Description		Action Taken By Staff/Resolution		
2nd morning in a row that this is on flash. 5/9/19, Flash at 1030PM. 5/11/19, Flash at 1:44AM. Contacted CC each morning.		CC Responded, signal back in normal operation at 0828.		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Las Vegas Blvd	06/01/19 11:21:31	N/A	Closed
Detailed Description		Action Taken By Staff/Resolution		
EB has changed, it taking a long time in the weekends. Most of the day		Looks like a PED recall was put out in the field. Phase ^ has a ped recall. Non standard phasing. Bollards being installed, may be recalled during construction. Recalled removed .		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Eastern & Silverado	05/14/19 13:37:16	05/14/19	Closed
Detailed Description		Action Taken By Staff/Resolution		
EBL from Silverado skips/too long around 6:40am during the week.		Not seeing what is being reported. Split history last few days has shown EBL serving every cycle between 6-7am. No problems found, suspect intermittent detection for that one day.		

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	Durango & Farm	07/16/19 09:57:30	N/A	Closed

Detailed Description
 the n to w left turn is not allowing enough time for traffic. Observed left gaping out.

Action Taken By Staff/Resolution
 CLV reset detection unit, working OK now.

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	Sahara & 6th	07/09/19 15:28:48	07/09/19	Closed

Detailed Description
 EB thru stops/not coordinated with Paradise or Joe W Brown. Around 3:15pm today.

Action Taken By Staff/Resolution
 Sahara/Paradise was preempted during this time frame.

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	Summerlin Pkwy	06/23/19 21:12:46	06/23/19	Closed

Detailed Description
 Saw a waze complaint this morning on Summerlin Pkwy & Rampart. Checked the signal in ATMS & CCTV. Signal was running free but was supposed to be in weekend TOD schedule. Late evening I received a citizen complaint the ramp was short cycling. Verified it was only serving 14 seconds.

Action Taken By Staff/Resolution
 Uploaded and compared and found the schedule tables had been erased (all zeros) but no other changes. I down loaded the schedule back into the controller. Verified it was only serving 14 seconds. I placed max recall in the plan & min recall into phase times table. I notified CLV the detection was bad. CLV has fixed detection

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	Cheyenne	05/31/19 08:37:55	N/A	Closed

Detailed Description
 NB not serving and short, only letting 2 car at a time. in the AM 7:30am

Action Taken By Staff/Resolution
 Added a min recall in plan 13. might be construction.

Agency	Location	Date Entered	Date To Agency	Status
North Las Vegas	Simmons	06/07/19 11:18:07	06/07/19	Closed

Detailed Description
 Simmons need work

Action Taken By Staff/Resolution
 Put in a schedule for M-F

Agency	Location	Date Entered	Date To Agency	Status
North Las Vegas	Simmons	06/07/19 11:16:39	06/06/19	Closed

Detailed Description
 Simmons needs work

Action Taken By Staff/Resolution
 Put in a schedule for M-F

Slip Sheet

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: NDOT-FAST ITS OPERATIONS REPORT		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE RECEIVE THE NEVADA DEPARTMENT OF TRANSPORTATION (NDOT)-FAST INTELLIGENT TRANSPORTATION SYSTEM OPERATIONS REPORT PERFORMED AS PART OF NDOT'S CONTRACTS (FOR POSSIBLE ACTION)		
GOAL: IMPROVE THE EFFICIENCY AND EFFECTIVENESS OF THE TRANSPORTATION SYSTEM AND AIR QUALITY BY MANAGING CONGESTION; MAINTAIN AND IMPROVE TRANSPORTATION SYSTEM INFRASTRUCTURE		


FISCAL IMPACT:

None by this action

BACKGROUND:

A representative from the Nevada Department of Transportation will discuss the status of the Freeway and Arterial Integration Project of FAST Packages, Interstate 15, U.S. 95, and other project-related issues concerning FAST expansion and integration.

Respectfully submitted,

DocuSigned by:

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 BRIAN HOEFT, P.E.
 Director of FAST

***FAST OMC Item #5
August 1, 2019***

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: PRESENTATION		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE RECEIVE A PRESENTATION FROM ECONOLITE CONTROL PRODUCTS, INC. REGARDING THE COMPANY’S INTELLIGENT TRANSPORTATION SYSTEM SOLUTIONS AND ECONOLITE’S SUBSIDIARY, CAVITA, WHICH PROVIDES ADVISORY SERVICES ON TRANSPORTATION TECHNOLOGIES		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

Econolite Control Products, Inc. provides Intelligent Transportation System (ITS) solutions, products, and services. Econolite’s subsidiary, CAVita, offers advisory services to a wide range of clients worldwide. A representative from the company will make a presentation regarding their ITS solutions and advisory services.

Respectfully submitted,

DocuSigned by:

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BRIAN HOEFT, P.E.
Director of FAST

*FAST OMC Item #6
August 1, 2019*

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: TRANSPORTATION TECHNOLOGIES		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE DISCUSS NEW TRANSPORTATION TECHNOLOGIES AND THEIR USE IN MEASURING, MONITORING, AND ENHANCING PERFORMANCE ON SOUTHERN NEVADA ROADWAYS		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

The Freeway and Arterial System of Transportation Operations Management Committee (FAST OMC) and FAST personnel can share information about rapidly deploying transportation technologies and, in particular, the opportunity to quantify and enhance system performance.

While no action may be taken on the subjects discussed, this item provides an opportunity for the exchange of information and may serve as the forum to recommend future FAST OMC agenda items.

Respectfully submitted,

DocuSigned by:

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BRIAN HOEFT, P.E.
Director of FAST

*FAST OMC Item #7
August 1, 2019*

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: TOPICS OF INTEREST		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE DISCUSS COMMITTEE TOPICS OF INTEREST		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

The Freeway and Arterial System of Transportation Operations Management Committee (FAST OMC or Committee) and Committee facilitators can share information about activities, meetings, news, and other topics of interest in an informal manner.

While no action may be taken on the subjects discussed, this item provides an opportunity for the exchange of information and may serve as the forum to recommend future FAST OMC agenda items.

Respectfully submitted,

DocuSigned by:

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BRIAN HOEFT, P.E.
Director of FAST

*FAST OMC Item #8
August 1, 2019*

Slip Sheet

**REGIONAL TRANSPORTATION COMMISSION
OF
SOUTHERN NEVADA**

AGENDA ITEM

Metropolitan Planning Organization <input checked="" type="checkbox"/>	Transit <input type="checkbox"/>	Administration and Finance <input type="checkbox"/>
SUBJECT: CITIZENS PARTICIPATION		
PETITIONER: TINA QUIGLEY, CHIEF EXECUTIVE OFFICER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION OPERATIONS MANAGEMENT COMMITTEE CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION		
GOAL: ENHANCE PUBLIC AWARENESS AND SUPPORT OF THE REGIONAL TRANSPORTATION SYSTEM		

FISCAL IMPACT:

None by this action

BACKGROUND:

In accordance with State of Nevada Open Meeting Law, the Regional Transportation Commission of Southern Nevada Freeway and Arterial System of Transportation (FAST) Operations Management Committee (OMC) shall invite interested persons to make comments. For the initial Citizens Participation, the public should address items on the current agenda. For the final Citizens Participation, interested persons may make comments on matters within the FAST OMC's jurisdiction, but not necessarily on the current agenda.

No action can be taken on any matter discussed under this item, although the FAST OMC can direct that it be placed on a future agenda.

Respectfully submitted,

DocuSigned by:

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BRIAN HOEFT, P.E.
Director of FAST

*FAST OMC Item #9
August 1, 2019*

Slip Sheet