

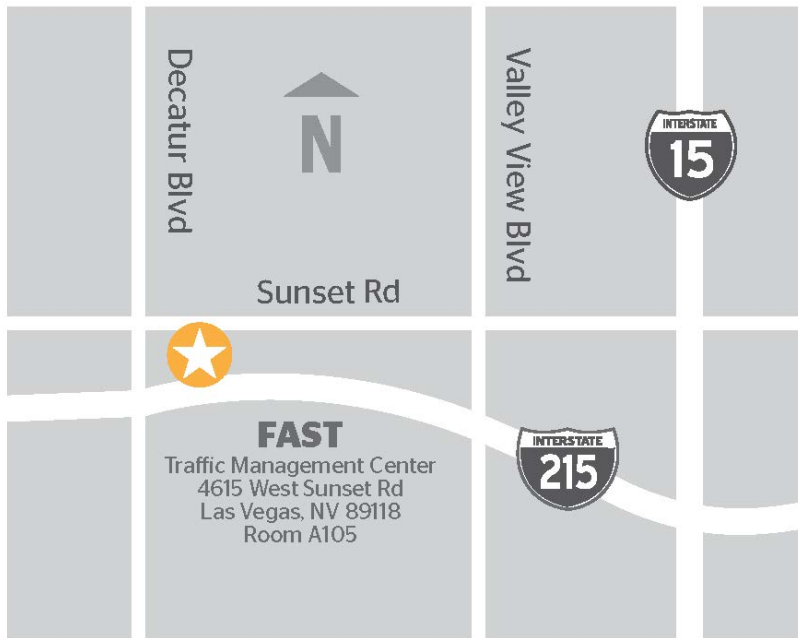


**NOTICE AND AGENDA OF
PUBLIC MEETING**

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

9:30 A.M. APRIL 5, 2018

**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 4 are items for possible action. Items 1 and 5 through 7 are discussion items and no action can be taken. Please be advised that the 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. APPROVAL OF THE MINUTES: Meeting of February 1, 2018 (FOR POSSIBLE ACTION)
3. RECEIVE THE FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS (FOR POSSIBLE ACTION)
4. RECEIVE THE NEVADA DEPARTMENT OF TRANSPORTATION (NDOT)-FAST INTELLIGENT TRANSPORTATION SYSTEM OPERATIONS REPORT PERFORMED AS PART OF NDOT'S CONTRACTS (FOR POSSIBLE ACTION)
5. DISCUSS NEW TRANSPORTATION TECHNOLOGIES AND THEIR USE IN MEASURING, MONITORING, AND ENHANCING PERFORMANCE ON SOUTHERN NEVADA ROADWAYS
6. DISCUSS COMMITTEE TOPICS OF INTEREST
7. 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, GENERAL MANAGER 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 #1
April 5, 2018*

mcf

Slip Sheet

MINUTES
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
OPERATIONS MANAGEMENT COMMITTEE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA
FEBRUARY 1, 2018

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 JANUARY 25, 2018**

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

CALL TO ORDER

Mr. Joseph Norby, City of Las Vegas, Chair, called the meeting to order at 9:30 a.m. in Meeting Room A105 of the Traffic Management Center.

MEMBERS PRESENT:

Joseph Norby, City of Las Vegas, Chair
Michelle Castro, Nevada Department of Transportation (Alternate), Vice-Chair
Jon Ashton, Clark County Public Works
Michael Hudgeons, City of North Las Vegas
John Penuelas, Regional Transportation Commission of Southern Nevada (Alternate)
Alyssa Rodriguez, City of Henderson (Alternate)

MEMBERS ABSENT:

None

RTC/FAST STAFF:

Brian Hoeft, Director of Freeway and Arterial System of Transportation (FAST)
Shital Patel, FAST Projects and Operations Manager
David Crisler, FAST Traffic Operations Supervisor
Walter Vodrazka, Jr., FAST Project Engineer
Gregg Rogers, FAST Traffic Systems Maintenance Supervisor
Michele Fioritto, FAST Administrative Specialist

INTERESTED PARTIES:

Ron Riddels Jr., Las Vegas Electric
Seth Daniels, Nevada Department of Transportation
Lori MacIntyre, Econolite
Jerrod Ratcliffe, SHG
Michael Mosely, Kimley-Horn
Lee Cabell, Horrocks Engineering
Adam Mayberry, Regional Transportation Commission of Southern Nevada
Ilya Chistyakov, Regional Transportation Commission of Southern Nevada

*FAST OMC Item #2
April 5, 2018*

Item: 1. CONDUCT A COMMENT PERIOD FOR CITIZENS PARTICIPATION
Comments: No comments were made.
Motion: No motion was necessary.
Vote/Summary: No vote was taken.

Item: 2. APPROVAL OF THE MINUTES: Meeting of December 7, 2017 (FOR POSSIBLE ACTION)
Comments: No comments were made.
Motion: Ms. Alyssa Rodriguez, City of Henderson, made a motion to approve the minutes as written.
Vote/Summary: 5 Ayes. 0 Nays. The motion carried. Ayes: Chair Joseph Norby, Vice-Chair Michelle Castro, Jon Ashton, Mike Hudgeons, and Alyssa Rodriguez Nays: None Absent: John Penuelas (NOTE: Mr. Penuelas would later arrive at the meeting.)

Item: 3. RECEIVE THE FAST STATUS, ACTIVITY, AND CALL STATUS/COMPLAINT REPORTS (FOR POSSIBLE ACTION)
Comments: MAINTENANCE ACTIVITIES REPORT Mr. Gregg Rogers, Traffic Systems Maintenance Supervisor, Freeway and Arterial System of Transportation (FAST), discussed various maintenance work involving FAST staff members. Joint Maintenance Work with Southern Nevada Agencies and/or Agency Contractors <ul style="list-style-type: none">• New cameras installed along Valle Verde Drive at Horizon Drive Parkway and Paseo Verde Parkway as part of City of Henderson’s (Henderson) fiber project• Repair of fiber in front of the Mirage Hotel and Casino that had been damaged due to the installation of bollards on Las Vegas Boulevard<ul style="list-style-type: none">○ Involved collaboration with Clark County and Clark County’s contractor○ Many communication circuits were rerouted over period of several days• New camera installed at Las Vegas Boulevard at Craig Road• Rerouting of circuits on Las Vegas Boulevard from Civic Center Drive to Las Vegas Motor Speedway.<ul style="list-style-type: none">○ Part of City of North Las Vegas/Nevada Department of Transportation (NDOT) fiber upgrade project which is mostly complete and operational• Working with contractor to repair fiber break on St. Rose Parkway and Flamingo Road<ul style="list-style-type: none">○ Some communication circuits were rerouted around break until repairs could be completed so that all signals from I-15 to I-215 were operational• Wireless MCOM radios from Nellis Boulevard to Hollywood Boulevard and new cameras at Hollywood Boulevard installed
<i>A FAST Operations Management Committee member arrived at the meeting at 9:35 a.m.</i>

Mr. Rogers continued with his report.

Support of Nevada Department of Transportation and/or NDOT Contractors

- Relocation of camera in area of Boulder Dam exit to a site near the Hacienda Hotel & Casino due to I-11 construction activities
 - Temporary relocation with plan to place camera at former location during summer 2018
- Monitoring, along with Kimley-Horn, intermittent software modules that have been failing when travel time modules are restarted
- Performed many line locates for Project Neon, I-11, I-15 north of Craig Road, US 95 from Ann Road to Kyle Canyon and at Cactus Avenue interchange
 - Considerable resources were expended to ensure that existing fiber was marked for construction projects
- Reset radar detectors on Clark County (CC)-215: Decatur Boulevard to Town Center Drive
- Rerouting, along with Project Neon contractor, trunk line fiber on I-15 throughout Project Neon limits

OPERATIONS REPORT

Mr. Shital Patel, FAST Projects and Operations Manager, provided the operations report to the FAST Operations Management Committee.

- Noted remaining controllers on i2 system, finding approximately 50 controllers primarily located in jurisdiction of City of Las Vegas (Las Vegas) and Clark County
 - FAST encouraging upgrade to Active Traffic Management System
- Handled several special events including, but not limited to, World of Concrete, Consumer Electronics Show (CES), and Shot Show, and activities related to World Market Center, T-Mobile Arena, and National Finals Rodeo
 - For CES, FAST personnel added Dedicated Short Range Communication (DSRC) units onto approximately 47 intersections for various demonstration routes used during the tradeshow
- Worked on two separate projects involving preemption and detection on Flamingo Road
- Assisted local government entity personnel on major road construction projects including Project Neon and 215 interchanges
- Worked on Clark County Congestion Mitigation Air Quality controller upgrade project
- Responded to complaints, assisted agency staff, or retimed intersections, interchanges, and corridors across Las Vegas Valley that included, but is not limited to portions of Reunion Drive/Anthem Parkway intersection (right turn overlap), Galleria Drive corridor, Sky Pointe Drive/Oso Blanca Road/215 interchanges, Gibson Road/Wigwam Parkway (new communications and patterns through Las Palmas residential area), Bonneville Transit Center, Desert Inn Road, and Warm Springs Road

Mr. Patel thanked Mr. Jon Ashton, Clark County Public Works, and CCPW staff for their assistance to prepare for CES regarding the installation of 47 road side units. He detailed that three units were placed in Las Vegas and 44 were put in Clark County. Mr. Patel went on to say that this work took considerable time for both installation and testing prior to the CES event. The FAST Projects and Operations Manager informed the Committee that the units were used by Aptiv, formerly Delphi, as part of a data sharing arrangement with Lyft for autonomous vehicles. Mr. Patel concluded the reporting on this item by noting that the self-driving car demonstrations at CES went smoothly and received significant press coverage.

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. Seth Daniels with Nevada Department of Transportation (NDOT) Traffic Operations, provided the report.

PROJECTS UNDER CONSTRUCTION

Boulder City Bypass, Phase 1 (NDOT Contract 3580)

The contract is on track to finish in early 2018. Mr. Daniels stated that construction support from NDOT Traffic Operations was minimal during this reporting period.

Boulder City Bypass, Phase 2 Regional Transportation Commission of Southern Nevada (RTC)

The NDOT representative informed the Committee that construction was at the two-and-a-half calendar years mark. Mr. Daniels stated that NDOT is current on all material submittal reviews for Intelligent Transportation System (ITS) infrastructure. This contract is on track to be fulfilled in 2018.

State Route (SR) 160, Blue Diamond Widening from SR 159 to beginning of mountainous area (Contract 3613)

Mr. Daniels stated that Contract 3613 was now complete.

Other business on SR 160

NDOT is evaluating comments received from Clark County for the Master Signal Agreement.

Project Neon (Contract 3624)

The NDOT representative mentioned that various ramp closures had been identified on NDOT's Project Neon website. Mr. Daniels shared that work would begin on US 95 southbound during the week of February 5, 2018. He noted that NDOT Traffic Operations was currently reviewing various test procedures for ITS equipment.

PROJECTS UNDER DESIGN

Freeway Arterial System of Transportation (FAST) Project H2, I-15 from Apex to north of the Logandale-Overton Interchange

Mr. Daniels reported that Contract 3703 had been awarded on November 17, 2017 to Andersen Hoeram & Excavation. He said that the Notice-to-Proceed was scheduled to be issued on March 19, 2018.

FAST Project K1, US 95 from California/Nevada Stateline to Boulder City Bypass (I-11)

This project was set to advertise in mid-2018. NDOT was moving forward with preliminary engineering. The intermediate review would occur in early 2018.

US 95 Package 2B/5, Durango Drive to Kyle Canyon Road

Contract 3692 had been awarded on November 13, 2017 to Las Vegas Paving Corporation. NDOT was commencing construction support and reviewing submittals for materials.

ITS PROGRAMS & PROJECTS

I-15 Coalition

Mr. Daniels informed the group that the I-15 Coalition consultant was currently working on data sharing

solutions with partner agencies per the requirements of the Multistate Corridor Operations and Management (MCOM) Grant. He went on to say that a webinar regarding the I-15 MCOM Stakeholder Update was held on December 14, 2017. Mr. Daniels related that the State of Arizona MCOM stakeholder was seeking partner agencies to identify a list of operators to participate in a system testing that is scheduled to begin in early February 2018. He stated that introductory webinars for those participating in this testing were scheduled to begin during the week of February 5, 2018. The actual testing would follow soon after the training. The NDOT representative shared that Mr. Brian Hoeft, FAST Director had selected Mr. Dave Crisler, also with FAST, for this activity.

Dynamic Message Sign (DMS) Policy

The NDOT representative reported that the updated DMS Safety Message policy was now complete. He explained that the policy addressed public safety messages and message prioritization and guidelines for their use on dynamic message signs. The policy is in effect on an individual basis and would be incorporated into the full DMS policy when complete.

Mr. Brian Hoeft, FAST Director, asked if Nevada personnel had considered whether other types of messages could be presented on DMS. He was aware that other states displayed messages that Nevada did not currently show. Mr. Daniels responded that staff members were currently reviewing some messages that another state utilized to determine if this might be appropriate for Nevada. Mr. Hoeft thought that it would be prudent that any additional messages, along with justification for use, be formally adopted as part of the DMS Policy.

Amber/Silver Alert Policy/Procedures Update

Mr. Daniels stated that the draft statewide policy for the Amber/Silver Alerts was ready for administrative review. There had been some minor updates to the last draft since all Road Operations Centers (ROCs) were now able to receive these messages via Computer Assisted Design (CAD) to CAD transmission with the Nevada Highway Patrol. Mr. Daniels noted that approval and adoption would be based on feedback from the appropriate State of Nevada committee.

511 Traveler Information

The current agreement had been approved by the Nevada Department of Transportation Board of Directors and would be extended through April 2021. Mr. Daniels stated that an amendment to the agreement to transition the system to NDOT's new video-to-web system. He also noted that a meeting with operators had taken place on November 16, 2017 and attendees identified areas of improvements that would be the focus of attention for the next six months.

Traffic Incident Management (TIM) Coalitions

Mr. Daniels reported that more than 44 percent of Nevada's first responders had completed the four-hour TIM training. The next coalition meeting would take place at the Traffic Management Center (TMC) on February 22, 2018. He also noted that Parsons was working on updating the Train-the-Trainer curriculum and this information would be available on February 15, 2018.

Freeway Service Patrol/Hazmat

The NDOT representative announced that the next Freeway Service Patrol/Hazmat coordination meeting was scheduled for March 6, 2017 at the TMC. The current contract had been extended until October 31, 2018 to allow for evaluation of the Waycare pilot program and allow for a smoother transition from the former contract to the new one. The Request for Proposal for the new contract had been advertised and a notice-of-intent was tentatively scheduled to be issued on February 16, 2018.

Rectangular Rapid Flash Beacon (RRFB) Pedestrian Treatment Update

Mr. Daniels noted that the Federal Highway Administration (FHWA) had rescinded the Interim Approval issued on July 16, 2008 for the installation and use RRFBs on December 21, 2017. The stated reason being a patent issue with the device and the rate of flash. NDOT had decided to continue with all installations at an intermediate design level and above. Mr. Daniels shared that projects below that level of completion would be considered on a case-by-case basis with recommendations. He continued, noting that state funds would be used for all installation and maintenance activity as required. He informed the Committee that written guidance regarding Nevada’s adherence to the Manual on Uniform Traffic Control Devices, applicable sections of the Nevada Revised Statutes and Nevada Administrative Code, and NDOT’s Supplemental (with FHWA approval letter) was available.

Mr. John Penuelas, Regional Transportation Commission of Southern Nevada, thanked Mr. Daniels for clarifying NDOT’s position regarding RRFB. While he understood that the FHWA had stated that the equipment currently in the field could remain, he did not think it was clear as to whether RRFB could be maintained and/or repaired. Ms. Alyssa Rodriguez, City of Henderson, responded that FHWA had recently issued guidance clarifying that the devices could be maintained and repaired as necessary. Mr. Daniels added that Nevada was planning to repair rather than replace the units. Mr. Penuelas commented that the RTC would defer to the local government entities on this matter and the RTC would continue to fund these projects.

Rural Area Fiber Sharing

Next, Mr. Daniels talked about fiber sharing. He recounted that during the Nevada Legislative 2017 session, the state legislature had passed Senate Bill 53, also known as the “Fiber-Sharing Bill.” This bill authorized the appropriate parties to follow the State of Utah model for fiber sharing. Also, the legislation enabled NDOT to make changes to the state’s definition of “highway” so the Transportation Department could use spare conduit for the purpose of telecommunication and pay for the equipment through state contracts.

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:

Atkins Visioning Project

Mr. Brian Hoeft, Freeway and Arterial System of Transportation (FAST) Director, recounted that the Atkins Visioning Project involved an examination of the state of practice of leverage transportation technologies and more effective implementation by the Southern Nevada agencies and FAST. The parties thought that the most significant work would be utilizing the roadmap and the five-year plan to determine the goal for the first year of this project. He followed by listing the roadmap’s five key categories as follows: data management, traffic signal operations and performance, emerging technology, data driven planning, and multimodal operations. The FAST Director stated that year one would involve the increased automation of data and analytics so the agencies and FAST could use the resources for decision making and the effectiveness of their actions would be gauged by performance metrics. In Mr. Hoeft’s opinion, the year one actions would determine the handling of the other matters. The FAST Director announced that he would continue to brief the Committee on the project’s progress.

Collaborations with Technology Companies

Mr. Hoeft stated that the WayCare pilot program was coming to a close and FAST would be working the company on some sort of arrangement for the future. The Director also reported that FAST was looking at a Nexar technology application that can detect work zones and can be employed via smartphone.

Mr. John Penuelas, Regional Transportation Commission of Southern, reported that he had been talking to Southern Nevada local government agencies about right-of-way access to work zones and the challenges faced by barricade companies and contractors. He mentioned that the agencies were concerned about the lack of notification from contractors about the placement of a work zone. The entities would prefer to arrange a permit for a 30-day window, but contractors have stated that the determination of when a work zone is to put in place can be difficult. The difficulty lies in the fact that barricade companies and contractors find it challenging to follow permits when the permitting conditions mandate that they must notify the agency when the set up a work zone.

Next, Mr. Penuelas talked about new traffic management technologies. He informed the Committee that iCone and smart arrow boards could provide data on movements in work zones and other information. In Mr. Penuelas’ opinion, these resources would not add to the workload of traffic technicians. Regarding the Nexar technology, he noted it could distinguish between a work zone with activity and a work zone without activity. He pointed out that the public was not always aware that there can be legitimate reasons for when there is no activity at a work zone such as those times when concrete curing or crack sealing is taking place.

Mr. Hoeft summarized that the goal is to have traffic management technology that helps entities to receive data more quickly and use that information to handle tasks more effectively. He added that agencies should be gauging their efforts by performance measures.

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. CITIZENS PARTICIPATION

Comments:

No comments were made.

Motion:

No motion was necessary.

Vote/Summary:

No vote was taken.

ADJOURNMENT

The meeting adjourned at 10:12 a.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Michele Fioritto". The signature is written in a cursive style with a large initial 'M' and a long, sweeping underline.

Michele Fioritto, Recording and Transcription Secretary



NDOT-FAST ITS OPERATIONS REPORT

*February 1, 2018 OMC Meeting
Submitted by Seth Daniels*

Projects Under Construction

Boulder City Bypass, Phase 1 (NDOT Contract 3580)

The contract is on track to finish in early 2018. Construction support from Traffic Operations was minimal during this reporting period.

Boulder City Bypass, Phase 2 (RTC)

Construction is at 2.5 calendar years. We are current on all material submittal reviews for ITS Infrastructure. The contract is on track to finish in 2018.

SR160, Blue Diamond Widening from SR159 to begin of mountainous area (Contract 3613)

Contract 3613 is now complete.

Other business on SR 160

We are evaluating comments received from Clark County for the Master Signal Agreement.

Project Neon (Contract 3624)

Various ramp closures are identified on the public web page. Work will begin on US 95 south bound next week.

Traffic Operations is currently reviewing various test procedures for ITS equipment.

Projects Under Design

FAST Project H2, I15 from Apex to north of the Logandale-Overton interchange

Contract 3703 Awarded on 11-17-2017 to Andersen Hoeram & Excavation. The notice to proceed is for March 19, 2018.

FAST Project K1, US95 from CA/NV Stateline to Boulder City Bypass (I11)

Advertise mid-2018. We are moving along with preliminary engineering. The intermediate review will occur in early 2018.

US95 Package 2B/5, Durango Drive to Kyle Canyon Road

Contract 3692 Awarded on 11-13-2017 to Las Vegas Paving. We are beginning construction support and reviewing submittals for materials.

ITS Programs & Projects

I-15 Coalition

The consultant is currently working on data sharing solutions with partner agencies as part of the MCOM Grant based on direction and feedback given during the meeting.

Webinar for I-15 MCOM Stakeholder Update held Thursday, December 14, 2017 9:00 AM – 10:00 AM (UTC – 07:00) Arizona

Stakeholder is looking at partner agencies to identify a list of Operators to participate in the system testing that will begin in early February. Introductory webinars for those participating in testing to begin during the week of February 5th and plan to start the testing after that.

Brian Hoeft with FAST has selected Dave Crisler.

DMS Policy

The updated DMS Safety Message policy is complete. It addresses public safety messages and message prioritization on the DMS as well as guidelines for their use. The policy is in effect individually and will be incorporated into the full DMS policy when complete.

Traffic Operations has scheduled monthly meetings effective February to work on the DMS Policy and Guidelines.

Amber/Silver alert policy/ procedures update

The draft statewide policy for these programs is ready for administrative review. There have been some minor updates to the last draft as all ROCs are now able to receive these messages via CAD to CAD transmission (Spillman) with NHP. Approval and adoption will be based on state committee feedback.

511 Traveler Information

The current agreement was approved by the Transportation Board to be extended through April 2021. The face to face meeting with operators took place on November 16 identified a few improvements to focus on over the next six months. An amendment is being drafted to transition the system to NDOT's new video to web system as well as a few other small enhancements.

Traffic Incident Management (TIM) Coalitions

Nevada has had over 44% of our states' first responders complete the 4-hour TIM training. The next coalition meeting will take place at FAST/NHP on February 22nd. Parsons working on updating the Train-the-Trainer curriculum and will be distributing by February 15th.

Freeway Service Patrol/Hazmat

- The next coordination meeting is scheduled for Tuesday, March 6, 2017 at FAST.
- The current contract has been extended until 10/31/18 to allow for evaluation of the WayCare trial project, as well as to allow for a smoother transition from the old to the new contract.
- The RFP for the new contract has advertised, notice of intent is tentatively scheduled for Feb 16.

RRFB Pedestrian Treatment Update

On December 21, 2017, FHWA rescinded the Interim Approval (IA) issued on July 16, 2008 for the installation and use of these devices. The stated reason being a patent issue with the device and the rate of flash. NDOT has decided to continue with all installations at an Intermediate Design (60%) level and above. Projects below that level of completion will be considered on a case by case basis with a recommendation to the front office. State funds will be used for all installation and maintenance activity as required. To clarify some questions regarding Nevada's adherence to the MUTCD, applicable sections of the NRS, NAC, and NDOT's Supplemental (with FHWA approval letter) have been attached.

NRS 484A.430 Adoption of manual and specifications for devices for control of traffic by Department of Transportation.

1. The Department of Transportation shall adopt a manual and specifications for a uniform system of official traffic-control devices consistent with the provisions of [chapters 484A to 484E](#), inclusive, of NRS for use upon highways within this State. The uniform system must correlate with and so far as possible conform to the system then current and approved by the American Association of State Highway Officials and the National Joint Committee on Uniform Traffic Control Devices.

2. All devices used by local authorities or the Department of Transportation must conform with the manual and specifications adopted by the Department.

(Added to NRS by [1969, 1488](#); A [1979, 1814](#)) — (Substituted in revision for NRS 484.781)

Under that statute Nevada Department of Transportation has adopted the Manual on Uniform Traffic Control Devices per this NAC:

NAC 408.411 Adoption by reference of publications for construction upon state highway or within right-of-way for state highway; conditions for approval of longitudinal installation of facility. ([NRS 408.215](#), [408.423](#), [484A.430](#))

1. The Department hereby adopts by reference the *Manual on Uniform Traffic Control Devices*, 1988 edition, and any subsequent edition issued by the Federal Highway Administration of the United States Department of Transportation which has been approved by the Department for use in this state. Each new edition shall be deemed approved by the Department within 60 days after the date of publication by the Federal Highway Administration. The Department will review each edition issued after the 1988 edition to ensure its suitability for this state. The most recent edition that has been approved by the Department may be obtained from the Department of Transportation, 1263 South Stewart Street, Carson City, Nevada 89712, for the price of \$57.

2. All construction upon a state highway or within a right-of-way for a state highway must comply with the requirements set forth in the *Manual on Uniform Traffic Control Devices*, adopted by reference pursuant to subsection 1.

3. The Department may approve a longitudinal installation of a utility's facility upon the part of a freeway where access is controlled if:

(a) The placement of the facility outside that part of the freeway where access is controlled would damage or disrupt wetlands or remove agricultural lands used for the production of crops, or if no practical alternative is available and the right-of-way for the highway upon which the facility is located is not expected to be used for expansion of the highway; or

(b) A private right-of-way is not available or the cost of construction of a private right-of-way would be prohibitively expensive.

4. A utility which wishes to make a longitudinal placement of a facility upon the part of a freeway where access is controlled must:

(a) Submit a written request and evaluation, including the alternatives considered and the cost estimate for each alternative. The estimates must clearly demonstrate that the longitudinal encroachment is the most practicable and feasible of the available alternatives.

(b) Demonstrate that the longitudinal encroachment upon that part of the freeway would:

(1) Benefit the public and the users of the highway; and

(2) Not adversely affect the use, operation, maintenance or expansion of the highway.

5. The Department will not approve a longitudinal placement of a facility upon the part of a freeway where access is controlled unless the facility will:

(a) Be located at or as near as possible to the limits of the control and as far from the roadway as practicable;

(b) Not be placed within the clear zone without taking appropriate measures to protect the users of the highway;

(c) Be constructed and maintained without allowing access from the main traveled way or connecting ramps of the freeway, if possible; and

(d) Be constructed and maintained in such a manner as to reduce significantly the hazard to or provide the maximum safety of the facility and the users of the highway if the facility fails.

6. The utility must submit to the Department a plan for controlling traffic which:

(a) Allows access for construction and maintenance activities; and

(b) Protects the traffic on the freeway during those construction and maintenance activities.

7. The Department will:

(a) Approve only facilities which require limited and infrequent maintenance for placement upon the area of a freeway where access is controlled.

(b) Not approve the placement of any facility from which service connections will be made except for a facility which is used exclusively for the highways.

(c) Except for aerial lines for communications, not approve the longitudinal placement of a facility located above the ground upon an area of the freeway where access is controlled. Such aerial facilities must be limited to the construction of a single pole which includes a vertical arrangement of conductors and cables.

8. As used in this section, "main traveled way" has the meaning ascribed to it in [NAC 408.722](#).

(Added to NAC by Dep't of Transportation, eff. 1-6-95; A by R135-98, 10-3-2000)

NAC 408.413 Control of traffic. ([NRS 408.215](#), [408.423](#))

1. Adequate warning signs and devices to control traffic must be installed along the highway and in the areas where construction or maintenance of the encroachment is performed in accordance with the *Manual on Uniform Traffic Control Devices*, adopted by reference pursuant to subsection 1 of [NAC 408.411](#).

2. If the flow of traffic will be disrupted or other conditions at the site require, the utility shall submit a written plan for controlling traffic to the Department for approval by the district engineer before any work may begin upon the right-of-way of the highway.

(Added to NAC by Dep't of Transportation, eff. 1-6-95; A by R135-98, 10-3-2000)

In addition to that we have adopted our own State MUTCD (see attached Nevada MUTCD Supplement 2010.pdf). This allows the department to exercise engineering judgment in the selection of traffic control devices, as well as in the location and design of the roads and streets that the devices compliment. Please read.

State of Nevada Supplement to the Manual on Uniform Traffic Control Devices, 2009 Edition

The following is adopted in place of Section 1A.09, paragraphs 03 and 04:

⁰³ The decision to use a particular device at a particular location should be made on the basis of either an engineering study or the application of engineering judgment. Thus, while this Manual provides Standards, Guidance, and Options for design and application of traffic control devices, this Manual should not be considered a substitute for engineering judgment.

⁰⁴ Engineering judgment should be exercised in the selection and application of traffic control devices, as well as in the location and design of the roads and streets that the devices complement. Jurisdictions with responsibility for traffic control that do not have engineers on their staffs should seek engineering assistance from others, such as the State transportation agency, their County, a nearby large City, or a traffic engineering consultant.

The following is adopted in place of Section 1A.13 paragraph 01, text heading A:

⁰¹ **When used in this Manual, the text headings of Standard, Guidance, Option, and Support shall be defined as follow:**

A. Standard—a statement of required, mandatory, or specifically prohibitive practice regarding a traffic control device. All Standard statements are labeled, and the text appears in bold type. The verb "shall" is typically used. The verbs "should" and "may" are not used in Standard statements. Standard statements are sometimes modified by Options.

Approved and Adopted:



Susan Martinovich, Director
Nevada Department of Transportation

Date: Dec 8, 2010



U.S. Department
of Transportation
Federal Highway
Administration

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DEC 02 2010

DIRECTOR'S OFFICE

- FILED -

705 North Plaza St. Suite 220
Carson City, NV 89701

December 2, 2010

In Reply Refer To:
HFO-NV

Nevada Division

Subject: State of Nevada Supplement to the Manual on Uniform Traffic Control Devices,
2009, Edition

Susan Martinovich, P.E., Director
Nevada Department of Transportation
1263 South Stewart Street
Carson City, Nevada 89712

Dear Ms. Martinovich:

Your November 17, 2010 letter requested approval of a State of Nevada Supplement to the 2009, Edition of the Manual on Uniform Traffic Control Devices (MUTCD) as allowed by 23 CFR 655.603. The supplement addresses the addition of a sentence to the definition of Standard in Section 1A.13 and the removal of certain Guidance information in Section 1A.09 of the MUTCD.

FHWA approves the requested State of Nevada Supplement to the 2009, Edition of the MUTCD.

Sincerely,

Brenda RedWing

Brenda RedWing
Field Operations Team Leader

cc: Kent Cooper, NDOT
Paul Frost, NDOT
Mary Martinni, NDOT
Thor Dyson, NDOT
Kevin Lee, NDOT
Thomas Moore, NDOT



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, GENERAL MANAGER 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

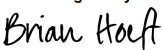
FISCAL IMPACT:

None by this action

BACKGROUND:

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

Respectfully submitted,

DocuSigned by:

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BRIAN HOEFT, P.E.
Director of FAST

FAST OMC Item #3
April 5, 2018

mcf

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: April 5, 2018

Subject: FAST Activity Report from January 16 through March 19, 2018

AMS Maintenance Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution
1/26/2018 6:29	US93/Veterans	Communication to this intersection is down.	Boulder City		Reset ASA and Cisco switch in cabinet. Communications are restored.
2/6/2018 8:54	US 93/Veterans	No Comm. to cabinet.	Boulder City		Reboot cisco switch and ping from controller, check good.
2/16/2018 10:20	US 93/Veterans Memorial	No Comm. to cabinet.	Boulder City		Rebooted all switches, (ASA, Cisco, Ruggedcom)
1/23/2018 7:24	Craig Rd/Las Vegas Blvd	Camera bad, no video	Clark County		Camera was replaced by contractor. Camera working properly
1/24/2018 15:22	Lake Mead / Mt. Hood	No communication.	Clark County		Configure and install Encom radio. Verify operation. OK.
1/24/2018 15:23	Lake Mead / Hollywood	No communication.	Clark County		Configure and install Encom radio. Configure and install encoder. Verify proper operation. OK.
1/25/2018 9:07	Decatur/215 EB	Cabinet has an LCU in it.	Clark County		Removed LCU and install bypass cable.
1/26/2018 13:22	LVBLVD/Pebble	No Comm. to cabinet.	Clark County		Reset GFI circuit.
2/5/2018 13:18	Cambridge & DI	No Communications	Clark County	02/05/18	Reestablish communications
2/7/2018 10:19	Sierra Vista/Swenson	Comm. was intermittent to intersection going south.	Clark County		Replaced both RJ11 jumpers to DSL (10.8.3.190) switch.

2/8/2018 10:53	Tropicana & Wilbur	Needs a camera	Clark County		Configure and install a WTI Sidewinder camera. Verify operation in FMS, Canvas, and through GUI. OK.
2/8/2018 13:01	Jones/DI	No communication on Jones from DI to Twain	Clark County		Cabinet has been hit. Connected DSL line back on the switch, and did ping test from controller, check good.
2/16/2018 10:17	Flamingo\Maryland	No Comm. from this intersection going north.	Clark County		Found interconnect connection between Flamingo and Katie Ave. cut and pedestal where the punch down block was is gone. Reconnected the DSL line to reestablish communication.
2/16/2018 15:18	Tropicana	Bad DSL link on Tropicana between Paradise and Koval.	Clark County		Install 2nd DSL at both locations and aggregate link to double bandwidth.
2/20/2018 9:46	Las Vegas BLVD/ Harrah's	Cabinet has an LCU.	Clark County		Removed LCU and install bypass cable.
2/21/2018 12:34	Maryland Parkway north of Flamingo	Missing Tesco panel on Maryland Parkway north of Flamingo on west side of road	Clark County		Install Tesco panel to protect interconnect splice.
2/27/2018 13:08	Maryland	Lost communication on Maryland at University, Ped Xing, and Harmon.	Clark County		Interconnect has been damaged by contractor. Restore Communications
2/28/2018 5:27	Nellis NB Station	HTTP down on Axis camera #3.	Clark County		Reboot camera and check operation, check good.
3/9/2018 14:52	St. Rose	Switches at St. Rose/Bermuda and St. Rose/Executive Airport are down.	Clark County		Found new intersection cabinet on St Rose and Gillespie, contractor spliced in two CDCAs one going west and one going east. Installed jumper between the two. Bermuda and Executive are up.

3/13/2018 15:48	Warm Springs & Jones	No communication to this intersection.	Clark County		Configure and install Encom radio. Update all documentation.
3/15/2018 9:45	Maryland & University	No Communications	Clark County	03/15/18	Reestablish communications
3/16/2018 13:31	VLAN 1001	Lost ability to retrieve telemetry data from all Encom radios connected to VLAN 1001	Clark County		Hard reboot each Encom to restore Telemetry data, with the exception of Jones/215. Here we had to replace POE. At Russell/215 SB, the Encom reverted to Factory Default. This one needed to be reconfigured to restore communication.
1/26/2018 13:30	Gibson/Wigwam	This intersection has no communication yet.	Henderson		We pulled in a CDCA and spliced it into our fiber network. Test OK.
2/8/2018 10:43	Sunset/Marks	Intersection cabinet still has LCU.	Henderson		Removed LCU and install a bypass cable.
11/1/2017 10:43	Wyoming and Commerce	No Communications	Las Vegas	11/01/17	Under construction bypassed interconnect to provide communications to signals west of intersection.
12/7/2017 15:41	Charleston & Commerce	No Communications	Las Vegas	12/07/17	Cabinet has been relocated for downtown project. Will remain offline until CLV pulls interconnect back in cabinet or installs fiber.
1/19/2018 14:38	CCTV #3512, Main/Imperial	No video.	Las Vegas		Under construction
1/19/2018 14:39	CCTV #3508, Casino/ Hoover	No video.	Las Vegas		Under construction
1/26/2018 13:13	Eastern/Washington	No communication to Eastern/Washington.	Las Vegas		Reset tripped circuit breaker in cabinet at Eastern/Washington.

1/31/2018 5:25	Lake Mead/Walnut & Lake Mead/Lamb	No communication to Lake Mead/Walnut and Lake Mead/Lamb	Las Vegas		Configure and install Encom radios at Lake Mead/Pecos and Lake Mead/Walnut. Configure and install DSL switches at Lake Mead/Walnut and Lake Mead/Lamb. Test OK.
2/1/2018 5:28	Charleston/MLK	No communication to this intersection. Contractor is relocating the interconnect feeding this cabinet.	Las Vegas		Contractor completed work and communication has been restored.
2/2/2018 13:01	Sahara/east Las Vegas	Camera cleaning on Sahara.	Las Vegas		Cleaned cameras Sahara/Town Center, Nellis, Burnham, Commercial Center, Easter, Boulder HWY, Maryland, McLeod, Rancho, Spanish Oaks, Teddy, Mojave, and Durango/Lone Mountain.
2/9/2018 14:39	Casino Center / Bridger	Needs cleaning and remove LCU	Las Vegas		Remove LCU and configure CCTV to Fast Field Device. Test OK. Clean camera.
2/13/2018 9:41	Buffalo/Summerlin S.	Cabinet has an LCU.	Las Vegas		Removed LCU and install a bypass cable, called fishbowl to check operation of camera, check good.
2/15/2018 10:23	Las Vegas BLVD/Baltimore	Cabinet had an LCU for camera.	Las Vegas		Removed LCU and install bypass cable and check operation, check good.
2/15/2018 12:42	Desert Foothills	New intersections at Desert Foothills/Desert Sunrise and Desert Foothills/Alta with no communication yet.	Las Vegas		Fiber splice team reworked the splice at Charleston/Desert Foothills. AMS configured and installed switches at these new intersections. Test and update documentation. All OK.
2/16/2018 11:18	Alta & Desert Foothills	New camera installed.	Las Vegas		Configure and install encoder. Add camera to FMS and Canvas. Update all documentation. Test

					OK.
2/28/2018 15:08	Lake Mead	Need communication to Lake Mead/Thomas Ryan and Lake Mead/Halston.	Las Vegas		Configure and install 1Gb switches. Update documentation. Test OK.
3/2/2018 11:41	Anasazi	New fiber on Anasazi at Lake Mead, Summerlin, Banbury Cross, and Far Hills.	Las Vegas		Configure and install switches at all intersections. Configure and install encoder at Far Hills/Anasazi. Update all documentation. Test OK.
3/8/2018 15:01	Summerlin Hub	Change all equipment to VLAN 16	Las Vegas		Readdress all switches, traffic controllers, encoders to VLAN 16 IP range. Configure and verify switches in RNMS. Configure and verify traffic controllers in ATMS. Configure and Verify CCTVs in FMS. Update all documentation. Notify CLV of new addresses for MMUs. Create a direct link from TMC 2200 switch to Summerlin Hub (Hub 16) 2200 switch.
3/9/2018 14:51	Summerlin	All switches north of Far Hills on 215 are down.	Las Vegas		Replace bad switch at Summerlin/215 NB cabinet. Test OK.
3/13/2018 5:31	Sahara & Boulder	Circuit down	Las Vegas	03/12/18	Correct tripped circuit breaker
3/14/2018 5:19	Far Hills/CC 215	Cabinet had LCUs.	Las Vegas		Removed two LCUs and installed bypass cable, check operation of the two cameras, check good.
3/14/2018 11:29	Far Hills/Sageberry	New intersection going live on 3/15/2018.	Las Vegas		Connected fibers to switch and attached controller, ping test check good. Operations was able to upload new software to controller.

3/16/2018 13:26	Durango/Sahara	No comm. to cabinet.	Las Vegas		CLV changed out the cabinet, connected all switches back on line, after fiber team fixed the mangled fiber.
3/16/2018 13:33	Lake Mead at Pecos and Walnut	Lost ability to retrieve telemetry data from Encom radios at Lake Mead/Pecos and Lake Mead/Walnut	Las Vegas		Hard reboot Encom radios to restore telemetry data.
2/14/2018 13:08	CC215/All	Camera cleaning.	NDOT		Cleaned cameras from CC215 Gibson to CC215 Jones Northern Beltway.
2/14/2018 11:49	Sahara NB Station	CCTV camera #2 Not working	RTC	02/14/18	Check connections and restart POE.

FMS Maintenance Issues

3/19/2018 14:13	TTS 96	no travel times	Reboot sign and main cabinet power. Travel times are back and posting.
3/14/2018 11:32	ds 223	no data	Cleared and then reprogrammed controller. tested ok
3/13/2018 11:37	TTS 79	top number missing	Replaced the AC/DC converter inside the top display matrix. Tested OK.
3/13/2018 11:36	ds 149	no data	Replaced old iSS radar with a Wavetronix. Rewired everything involved and tested OK.
3/12/2018 11:09	ds 141	no data	Replaced old iSS head with a Wavetronix, rewired everything, restarted Mustang-Backup so it would recognize the new device. Tested OK.
3/8/2018 8:27	DMS #109, US-95 SB N of N I-215	Not posting DMS message.	As per the FAST wide e-mail that went out, this sign will be out of operation from 3-7 until roughly 3-10. Back online for the weekend.
3/8/2018 7:31	CCTV #905, US 93 NB Dam Bridge	No PTZ.	Camera had reverted back to Cohu mode. Put back into Fast, tested OK.
3/8/2018 7:29	CCTV #226, US 95 SB Durango	No video.	CCTV 226 is also affected by the outage causing DMS 109 to be out of service. Back online.
3/6/2018 10:20	ds 95	no data	Replaced iSS head with a Wavetronix. Reused the old cable and rewired everything. Found a bad terminal server and replaced that as well.
3/5/2018 15:22	camera 609	camera 609 is dark, no picture	Wireless feed was having trouble in the wind. Camera OK.

3/5/2018 15:20	ramp meter 14	meter not activating	Reset watchdog in cabinet. Changed plan to come on via time of day in the morning instead of traffic responsive per Dave C.
3/1/2018 14:30	CCTV 106	no video	I.T. had pruned vlan 11 out of the switch. Had them put it back in and video returned.
3/1/2018 14:29	ds 140	no data	Replaced iSS head with a Wavetronix. Reused old cable, repinned the wiring at the head, in the pole mounted box, and in the cabinet. Changed FMS for the new head. Tested ok.
2/28/2018 11:24	CCTV #426, I-515 SB Paradise Hills	No video.	Video has been stable for a few weeks after reboot at cabinet. Closing issue.
2/28/2018 5:20	TMC	no travel times	Stopped/restarted IPM and DMSM on Mustang. Travel times returned.
2/22/2018 15:03	camera 405	camera 405 is dark no picture	Replaced Coretec encoder with a Teleste. Redid PTZ wiring for different encoder. Tested ok.
2/21/2018 11:04	ds 325	unreliable data	Reset/reprogrammed click cards for both heads. Tested ok.
2/21/2018 11:03	ds 315	no data	Reseated click 200 card to other 200 card on the din rail to get power back out to the head. Getting data now.
2/21/2018 11:02	ds 314	no data	Reseated Ethernet cable to switch. Began getting data again.
2/21/2018 11:01	ds 151	no data	Reset controller, began pinging, data returned.
2/21/2018 8:32	CCTV #122 I-15/N of St. Rose	No PTZ.	Reset control switch. Camera working properly.
2/15/2018 6:46	DMS 16	no travel times	Had to reset time via Vanguard, then travel times returned.
2/14/2018 7:14	DMS 76	no travel time	Put up manual test message OK, blanked, travel times returned
2/9/2018 6:59	CCTV #204, US 95/ Valley View	Camera loses video image when making a complete rotation, typically between due north and due east.	Cleared and re-set sectors.
2/9/2018 6:57	CCTV #417, US 95 / Sunset	Poor video quality.	Reset it "just because" but never saw a real problem.
2/8/2018 8:05	camera 209	Camera 209 has no video	Installed clamp to keep the cable and camera in place.
2/7/2018 14:03	CCTV 110	int video	Rebooted entire cabinet as camera was rebooting on its own intermittently. Been OK all day after reboot so closing issue.

2/7/2018 11:14	Apex weigh station	no comm	Found bad cell modem. Brought back to shop where AI is working on a repair/replacement of it. Installed new ASA and router.
2/6/2018 13:59	TMC	no travel times	Stopped/restarted IPM and DMSM 2 straight days. Notified KH both days.
2/6/2018 13:58	CCTV 501	static	rebooted camera itself at cabinet
2/6/2018 13:58	CCTV 114	static	Rebooted camera itself at cabinet.
2/1/2018 11:32	ds 500	no data	re-seated breaker inside power pedestal, then had to reset breaker inside pole mounted box
2/1/2018 11:31	ds 499	no data	Re-seated breaker inside power pedestal
1/31/2018 11:43	TMC	no travel times	Restarted DMSM and IPM on Mustang and travel times returned. Notified Kimley yet again.
1/30/2018 14:51	ds 316	no comm	Fiber was broken due to construction. Contractor re-spliced the fiber and all comm is back.
1/30/2018 14:19	DMS 1	intermittently not displaying travel times	Rebooted entire sign and cabinet. Been OK the rest of the day but will keep an eye on it.
1/30/2018 8:46	Detector Station 477	Excessive counts	Correct time interval setting
1/30/2018 8:46	Detector Station 264	Excessive counts	Correct time interval setting
1/30/2018 8:45	Detector Station 269	excessive counts	Correct time interval setting
1/26/2018 11:03	CCTV 114	Black screen	R&R encoder power supply
1/26/2018 8:26	CCTV #209, US 95 NB Torrey Pines	No video.	Knocked loose from wind, reconnect with lowering device.
1/25/2018 13:54	CCTV 905	no PTZ	Camera reverts to Coahu mode whenever it's power cycled. PTZ working for now but if a power glitch occurs it will have to be revisited. Camera ultimately needs replacing but no spares. Will keep tabs on it.
1/25/2018 7:57	CCTV 516	no video	Logged into camera and reset power, video returned
1/25/2018 7:38	CCTV 205	displaying maintenance info on camera	Logged into camera and enabled/disabled text.
1/25/2018 7:18	CCTV 212	low pressure displayed on camera	Logged into camera and disabled/enabled maintenance text. Picture ok now.

1/25/2018 7:01	CCTV 308	black and white video	Logged into camera and programmed back into color mode.
1/24/2018 14:27	ds 349	no data	Reset radar head. Test ok
1/24/2018 14:26	ds 525	no data in FMS	Reset Wavetronix card. Tested ok
1/24/2018 14:23	CCTV 129	no video	Physically reset camera. Tested ok
1/24/2018 7:25	DMS 23	no display	Replaced burnt up power wiring from cabinet to sign. Posted message via FMS and locally OK.
1/22/2018 13:58	CCTV 209	no video	Seated camera back in to position with the lowering device.
1/22/2018 13:24	Primm hub	rodent problem	On-going issues with mice getting into this cabinet. Removed a few dead ones and put in more traps and poison.
1/22/2018 13:23	ds 341	no data	Physically reset power to the Bluetooth link as well as the terminal server. Comm returned and so did the data.
1/22/2018 13:22	TMC	no travel times anywhere	Stopped/restarted the IPM and DMSM on Mustang. Travel times returned. Notified Kimley-Horn.
1/20/2018 7:35	CCTV #714, N 215/ Jones	Poor video quality.	Not seeing any problem for 3 days. Closing issue

Operations Projects Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution
3/6/2018 7:55	2266 Flamingo & Sandhill	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:54	2135 Flamingo & Pecos	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:54	2448 Flamingo & McLeod	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:54	2119 Flamingo & Eastern	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	

3/6/2018 7:53	2015 Flamingo & Burnham	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:53	2267 Flamingo & Spencer	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:52	2264 Flamingo & Tamarus/Algonquin	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:52	2133 Flamingo & Maryland	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:51	2396 Flamingo & Cambridge	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:51	2268 Flamingo & Swenson	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:50	2324 Flamingo & Palos Verde/Fire Station	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:50	2134 Flamingo & Paradise	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:49	2049 Flamingo & Howard Hughes	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:49	2131 Flamingo & Koval	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:48	2352 Flamingo & Linq/Audrie	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	

3/6/2018 7:45	2043 Flamingo & Bally's Crosswalk	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:44	2183 Flamingo & Valley View	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:44	2037 Flamingo & Gold Coast/Hugh Hefner	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:43	2329 Flamingo & Wynn	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:43	2369 Flamingo & Arville	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:42	2450 Flamingo & Lindell	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:42	2098 Flamingo & Jones	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:41	2379 Flamingo & Torrey Pines	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
3/6/2018 7:41	2083 Flamingo & Rainbow	Controller programmed and ready for pick up for Opticom project	Clark County	03/05/18	
2/4/2018 13:16	Gibson, Wigwam to Las Palmas	Develop patterns to run AM, midday and PM peak traffic	Henderson		Developed 100 second patterns for Gibson from Wigwam to Las Palmas for the AM and midday periods, working on 120 second patterns for PM period

Operations Construction Issues

Date Entered	Location	Issue	Agency	Date to agency	Resolution
2/4/2018 12:29	Main & Ogden	At the request of CLV Main/Ogden will be split phased until later this month. CLV is checking in its status	Las Vegas	01/11/18	Changes made
2/4/2018 12:16	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 estimate of completion is two weeks. We will be monitoring the progress and will return the traffic signal to normal operation when complete.	Henderson	01/02/18	
2/4/2018 12:39	Executive Airport & Volunteer	Per City of Henderson This intersection will be split phased overnight (maybe 24/7 for the interim) for the next several weeks. Henderson is working on the contractor to repair the fiber to restore comm..	Henderson	01/16/18	Noted changes in the database. Running normal, back in service.
2/4/2018 12:24	Horizon Ridge & Carnegie	Is it possible for you to program a north/south split phase with max recalls at Horizon Ridge at Carnegie? For the nights of 1/10/18, through 1/14/18. Releasing Monday 1/15/18. 6pm to 6am. Let me know if we need to program in field.	Henderson	01/08/18	This will run pattern 48, split table 32 (with maxes, 30 seconds for N/S) using day plans 13-17. I will put the regular schedule back in place next Monday. Update: Signal timing back to normal operations

Operations Incidents Issues

Date Entered	Location	Issue	Agency	Last Updated	Resolution
3/7/2018 6:53	SB US at Rainbow Curve	Fatal crash on SB US 95 on Rainbow Curve (at EB Summerlin Pkwy merge) at 4:50am on 3/7/18. SB US 95 CLOSED, and EB Summerlin Pkwy at SB US 95 CLOSED.	FAST	3/7/2018	NDOT suppressed CCTV #210 per DPS request at time of crash due to fatal injuries. FAST unsuppressed CCTV #210 at 5:10am, kept zoomed out. Posted DMS messages on #37,38,107,103,109 and 5. Sent out gov delivery messages every hour with an update on Closures. Adjusted signal timing on Rainbow at SPUI and Westcliff, to accommodate diverted traffic.
3/2/2018 8:18	#2023 Nellis/Craig	Crash at this intersection 6:20Am on 3/2/18. Intersection blocked, limited movements available.	Clark County	3/2/2018	Adjusted signal timing to better management traffic queues, until 8:15am.
2/16/2018 13:35	Eastern at US 95	Major crash with rollover at SB US 95 south of eastern at 12:20PM on 2/16/18.	FAST	2/16/2018	Sent out traffic alert....posted DMS messages. Adjusted signal timing on Eastern from Bonanza through Ogden to accommodate diversion traffic. Reset plans to TOD schedule at 1:35PM.

FAST OMC Citizen Complaints Report

Agency	Location	Date Entered	Date To Agency	Status
NDOT	2228 Blue Diamond & Durango	1/18/2018 14:37	N/A	Closed

Detailed Description

Durango & blue diamond: if you're driving south on Durango and when you turn east on blue diamond. That light going east on Blue diamond is not timed properly. It only allows about 5-6 cars to turn when there are at least 15 cars waiting.

Action Taken By Staff/Resolution

I contacted the citizen and was told that is was an issue in the morning rush, 0730 to 0930. We have watched it the last two mornings and have not seen the described problem. We are getting 15 or so cars through each cycle and are clearing the cars in the queue at the start of the green by the end of the green. There may be a few vehicles that enter the left turn green after the start of the green time that do not get through but one to two cars do go through at the end of the flashing yellow period. We checked the split history for the intersection and are seeing that the south to east left turn serves its full split most cycles. We did see it gap out a few times with cars left in the queue but it was due to an inattentive driver that was not keeping up with the car in front.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2012, Blue Diamond/ Dean Martin	3/17/2018 10:20	N/A	Open

Detailed Description

RTC bus supervisor called regarding NB Dean Martin bus at Blue Diamond intersection at 9:42am on 3/17/18. Bus had waited x4 cycles to be served a green signal to continue NB on Dean Martin.

Action Taken By Staff/Resolution

Checked spilt history and it didn't show the NB through movement not getting served during this time period.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2349, Jones/Badura	3/15/2018 14:59	N/A	Open

Detailed Description

Citizen complaint that NB Jones is backing up to Warm Springs in the Am weekday rush (7:30-8AM) due to the excessive amount of green time that Badura at Jones is receiving.

Action Taken By Staff/Resolution

peds recalling due to new construction and equipment not installed. Will contact county to find out how long until resolved.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2136, Spring Mtn./ Buffalo	3/2/2018 13:29	3/5/2018	Open

Detailed Description

Citizen complaint that the EB Buffalo to NB Spring mtn left turn, never provided a protected phase for him to make a left turn. It was only the flashing arrow, around noon on 3/2/18. He was concerned that he never received to gap to make the turn against oncoming traffic.

Action Taken By Staff/Resolution

Sent complaint to in the works to check detection. Need to watch this one to see if lagging left turn comes up with traffic

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2424, Tropicana/ Wilbur	2/21/2018 10:30	N/A	Open

Detailed Description

Citizen complaint that the NB Wilbur traffic was not getting served at this intersection, due to the current traffic control setup.

Action Taken By Staff/Resolution

Traffic control in place on NB Wilbur was not detecting the NB traffic. Placed a min recall on phase3, NB, so traffic will get served. construction still in place 03/01/18

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2339, Carey/Nellis	2/15/2018 17:20	2/15/2018	Open

Detailed Description

Alex from CC traffic shop called to inform that EB and WB Carey at Nellis was not serving at pm on 2/15/18. Asked that we place min recalls on phase 4 and 8, while they head out to check detection.

Action Taken By Staff/Resolution

Placed min recalls on phase 4 and 8, per request of CC staff. They are en route to check detection. Recalls still programmed, not sure if problem still remains as of 03/01/18

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2216, Twain/Maryland	2/15/2018 17:17	N/A	Open

Detailed Description

RTC Transit supervisor called that bus was not being served at the East to North left turn at the Twain/Maryland intersection at 4:51pm on 2/15/18. Bus had been waiting x4 cycles.

Action Taken By Staff/Resolution

Placed a phase call for EN left to serve bus. Max recall still in place 03/01/18.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Tropicana WB	2/8/2018 17:53	N/A	Open

Detailed Description

Stops at many lights after hockey games around 10pm, especially Rainbow, Buffalo, Durango

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Eastern & Serene	3/13/2018 13:31	N/A	Closed

Detailed Description

EBL - wants more time between 1-2pm during the week. Has 20 second split. Usually takes 2 cycles to get thru.

Action Taken By Staff/Resolution

No more time available to give this movement. N/S movements oversaturated as well. Extremely busy intersection. This E/N movement does get extra green time if WB ped is not actuated.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Durango & Warm Springs	3/12/2018 12:22	3/12/2018	Closed

Detailed Description

SBL from Durango skipped 4 cycles and then started serving again between 11:56 - 12:02. Didn't go free.

Action Taken By Staff/Resolution

Luis placed a lock in the phase

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Maryland Pkwy & Wigwam	3/2/2018 12:17	3/2/2018	Closed

Detailed Description

Complaint East & West Walk too long with no traffic or pedestrians.

Action Taken By Staff/Resolution

No problem found at intersection. Many people do cross the street and go to the park.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Rainbow & Windmill	3/1/2018 10:31	3/1/2018	Closed

Detailed Description

EBL and WBL too short from 9am-4pm during the week.

Action Taken By Staff/Resolution

adjusted splits pattern 19

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Durango & 215 S WB	2/22/2018 13:15	2/22/2018	Closed

Detailed Description

No detection between 5:30-5:45pm since Friday for WBT coming off the 215. Sun glare?

Action Taken By Staff/Resolution

NV Power issue that has been fixed

Agency	Location	Date Entered	Date To Agency	Status
Clark County	CC-215 & Sky Pointe	2/20/2018 6:12	2/20/2018	Closed

Detailed Description

The signal is on Flash and reported to InTheWorks.

Action Taken By Staff/Resolution

controller replaced by county

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2328, Sky Pointe/ CC-215 (Northern Beltway)	2/15/2018 13:18	2/15/2018	Closed

Detailed Description

DPS dispatch received a call that this signal was not properly cycling.

Action Taken By Staff/Resolution

We observed that the S-E left turn was not being served. We do not have comm to this intersection so contact CC signal dispatch and provided details and asked that they check the signal. Controller has been replaced and comm has been established.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Eastern	2/8/2018 10:48	2/8/2018	Closed

Detailed Description

NBT on Eastern at Tropicana is blocked by SBL traffic which is stopping her from getting to make her left on Harmon. She would like the NBL at Harmon to lag to allow her time to get there. Verified during pattern 18.

Action Taken By Staff/Resolution

Currently being evaluated. Tried to make adjustments but sequencing needs to stay as is for coordination purposes.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Rainbow and S CC 215 WB Ramps	2/4/2018 13:21	N/A	Closed

Detailed Description

On 215 W exit and Rainbow Blvd., I think right turn light is malfunctioning. To make right turn there, you have to wait till it turns green. Usually, when you get a green light for making left and going straight, right turn signal always turns green too. But lately, right turn green is not turning green even if you get green light for making left and going straight. Last night I had to wait 3 green lights for making left and straight before right turn light turned green.

Action Taken By Staff/Resolution

Added dual entry to make sure that phases 3 and 8 come up together

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Eastern & Richmar	2/4/2018 13:18	1/29/2018	Closed

Detailed Description

We have a customer stating that the left turn light on Eastern traveling Southbound at Richmar takes too long and goes from Green to Red never yellow.

Action Taken By Staff/Resolution

Sent to Clark County to check detection, Clay visited intersection and did not see a problem with the yellow arrow not coming up

Agency	Location	Date Entered	Date To Agency	Status
Clark County	Decatur & Twain	2/4/2018 12:58	1/22/2018	Closed

Detailed Description

I commute through the intersection at S Decatur and W Twain around 1:30 AM Friday-Tuesday. The signal seems to be running as if it were rush hour. The left turn arrows cycle whether anyone is in them or not, and the lights seem to stay green for the traffic on Twain than necessary. Thanks for your time.

Action Taken By Staff/Resolution

Sent to Clark County to check detection. Checked split history and appears to be working OK now.

Agency	Location	Date Entered	Date To Agency	Status
Clark County	#2090, Ann/ CC-215	2/2/2018 8:50	N/A	Closed

Detailed Description**Action Taken By Staff/Resolution**

Citizen complaint at 7:45am at 1/31/18 about a x4 cycle backup on SB CC_215 at Ann.

Informed citizen of a vehicle crash further downstream at that location, as well as on-going road construction through that section of the CC-215.

FAST OMC Controllers Report

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2526 Rainbow & Cactus 980 FYA	3/6/2018 7:38	3/1/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2546 Russell & Hualapai 980	3/6/2018 7:38	3/1/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2110 Sahara & Sloan 980 FYA	3/6/2018 7:37	3/1/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2001 Lake Mead & Hollywood M53	2/28/2018 10:00	1/25/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2459 Lake Mead & Christy M53	2/28/2018 10:00	1/25/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2393 Las Vegas & Wigwam FYA 980	2/12/2018 10:43	2/12/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2479 Russell & Sandhill FYA 980	2/4/2018 13:12	1/25/2018	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up				

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2468 Silverado Ranch & Gillespie FYA 980	2/4/2018 13:12	1/25/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2441 Las Vegas & Serene FYA 980	2/4/2018 13:11	1/25/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2378 Eastern Patrick FYA 980	2/4/2018 13:09	1/25/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2067 Jones & Hacienda FYA 980	2/4/2018 13:07	1/25/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2233 Paradise & Elvis Presley FYA 980	2/4/2018 12:55	1/18/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2121 Town Center & Havenwood FYA 980	2/4/2018 12:54	1/18/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2148 Desert Inn & Wynn FYA 980	2/4/2018 12:50	1/17/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2025 Eastern & Robindale	2/4/2018 12:49	1/17/2018	Open
Detailed Description			Action Taken By Staff/Resolution	
Controller programmed and ready for pick up				

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2522 Fort Apache & Warm Springs 980	6/26/2017 9:59	6/26/2017	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		NC #		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2048 Desert Inn & Torrey Pines M53	4/25/2017 13:22	3/27/2017	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		NC #, checked in field not installed yet		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2431 Durango & Pebble M53	4/25/2017 13:20	3/27/2017	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		NC #		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2291 Flamingo & Boulder Highway (980)	1/26/2017 15:14	1/26/2017	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Not Installed yet		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2186 Fort Apache & Spring Mountain	10/25/2016 9:42	10/25/2016	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Still on i2, not installed		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2211 Durango & Lone Mountain	9/1/2016 14:28	9/1/2016	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		NC #, still in i2 3/14		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2439 Flamingo & Fire Station #22	7/21/2016 10:35	7/20/2016	Open
Detailed Description		Action Taken By Staff/Resolution		
M53 Controller programmed and ready for pick up		NC, checked in field not installed yet		
Agency	Location	Date Entered	Date To Agency	Status
Clark County	2523 Rainbow & Patrick FYA 980	2/12/2018 10:43	2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2388 Tropicana & Cameron FYA 980	2/12/2018 10:42

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2285 Decatur & Post FYA 980	2/12/2018 10:42

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2081 Tropicana & Buffalo FYA 980	2/12/2018 10:41

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2075 Durango & Peace FYA 980	2/12/2018 10:41

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2066 Durango & Hacienda FYA 980	2/12/2018 10:41

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
2/12/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Agency	Location	Date Entered
Clark County	2275 Russell & Spencer FYA 980	2/4/2018 13:13

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Date To Agency	Status
1/25/2018	Closed

Detailed Description

Controller programmed and ready for pick up reload

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2432 Durango & Windmill FYA 980	2/4/2018 13:11	1/25/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed, uploaded, and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2413 Decatur & Silverado Ranch FYA 980	2/4/2018 13:10	1/25/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed, uploaded, and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2166 Desert Inn & Hualapai FYA 980	2/4/2018 13:08	1/25/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed, uploaded, and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2112 Desert Inn & Tenaya FYA 980	2/4/2018 13:08	1/25/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed on 2/13/18, uploaded and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2126 Eastern & Vegas Valley FYA 980	2/4/2018 12:54	1/18/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed, uploaded, and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2100 Warm Springs & Paradise FYA 980	2/4/2018 12:53	1/18/2018	Closed
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		Controller installed, uploaded, and archived		

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2275 Russell & Spencer FYA 980	2/4/2018 12:51	1/17/2018	Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Need to reload controller, this was closed

Agency**Location**

Date Entered
2/4/2018
12:50

Date To Agency**Status**

Clark County

2158 Russell &
Cameron FYA 980

1/17/2018

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency**Location**

Date Entered
2/4/2018 12:49

Date To Agency**Status**

Clark County

2047 Warm
Springs & Amigo
FYA 980

1/17/2018

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency**Location**

Date Entered
1/18/2018 15:00

Date To Agency**Status**

Clark County

2052 Frank Sinatra
* Sammy Davis /
Dean Martin 980

12/19/2017

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency**Location**

Date Entered
1/18/2018 15:00

Date To Agency**Status**

Clark County

2419 Frank Sinatra
& Deliveries Only
980

12/19/2017

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency**Location**

Date Entered
1/18/2018 14:59

Date To Agency**Status**

Clark County

2096 Frank Sinatra
& Caesars Service
980

12/19/2017

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency**Location**

Date Entered
1/18/2018 14:59

Date To Agency**Status**

Clark County

2095 Frank Sinatra
& Jay Sarno 980

12/19/2017

Closed

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Controller installed, uploaded, and archived

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2070 Flamingo & Grand Canyon 980	1/18/2018 14:58	12/19/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller installed, uploaded, and archived

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2292 Desert Inn & Pecos 980	1/18/2018 9:54	11/9/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller installed, uploaded, and archived on 11/28/17

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2275 Russell & Spencer 980	1/18/2018 9:53	11/9/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller replaced with 980 FYA Controller

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2263 Spring Mountain & Mel Torme 980	1/18/2018 9:53	11/9/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller installed, uploaded, and archived

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2094 Frank Sinatra & Stan Mallin/Twain 980	1/18/2018 9:50	11/9/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller installed, uploaded, and archived

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2148 Desert Inn & Wynn 980	1/18/2018 9:49	11/9/2017	Closed

Detailed Description
 Controller programmed and ready for pick up

Action Taken By Staff/Resolution
 Controller installed, uploaded, and archived on 11/28/17

Agency	Location	Date Entered	Date To Agency	Status
Clark County	2117 Desert Inn & McLeod 980	1/18/2018 9:48	11/9/2017	Closed

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3598 Far Hills & Laurel Glen	3/14/2018 9:55

Action Taken By Staff/Resolution
Controller installed, uploaded, and archived on 11/28/17

Date To Agency	Status
3/14/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3596 Skye Canyon Park & Grand Canyon	3/14/2018 9:55

Action Taken By Staff/Resolution

Date To Agency	Status
3/14/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3595 Skye Canyon & Skye Park	3/14/2018 9:54

Action Taken By Staff/Resolution

Date To Agency	Status
3/14/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3584 Ann & CC 215 SB Ramps	3/14/2018 9:54

Action Taken By Staff/Resolution

Date To Agency	Status
3/14/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3582 Ann & CC 215 SB Ramps	3/14/2018 9:53

Action Taken By Staff/Resolution

Date To Agency	Status
3/14/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3075 Charleston & Maryland 980	2/28/2018 10:18

Action Taken By Staff/Resolution

Date To Agency	Status
2/26/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3594 Far Hills & Sageberry	2/4/2018 13:06

Action Taken By Staff/Resolution

Date To Agency	Status
1/24/2018	Open

Detailed Description
Controller programmed and ready for pick up

Agency	Location	Date Entered
Las Vegas	3593 Alta & Desert Foothills	2/4/2018 13:06

Action Taken By Staff/Resolution

Date To Agency	Status
1/24/2018	Open

Detailed Description
Controller programmed and ready for pick up

Action Taken By Staff/Resolution

up

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3467 Tenaya & Gowan	2/4/2018 12:41	1/16/2018	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3452 Hualapai & Alexander	2/4/2018 12:40	1/16/2018	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3249 Craig & Tenaya 980 FYA	1/18/2018 15:02	12/19/2017	Open

Detailed Description

Controller programmed and ready for pick up rebuild for FYA

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3592 Commerce & Imperial 980	1/18/2018 10:43	12/4/2017	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3591 Commerce & California 980	1/18/2018 10:43	12/4/2017	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3590 Desert Sunrise & Desert Foothills 980	1/18/2018 10:36	11/27/2017	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3588 Martin L King & Jimmy 980	1/18/2018 10:35	11/27/2017	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3176 Rancho & Jones (S)/Alexander FYA 980	8/22/2017 12:44	8/22/2017	Open

Detailed Description

Controller programmed and ready for pick up

Action Taken By Staff/Resolution

Agency	Location	Date Entered	Date To Agency	Status
Las Vegas	3282 Summerlin Pkwy & Anasazi 980	5/3/2017 15:59	8/14/2017	Open
Detailed Description		Action Taken By Staff/Resolution		
Controller programmed and ready for pick up		NC *		

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, GENERAL MANAGER REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA		
RECOMMENDATION BY PETITIONER: THAT THE FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (FAST) 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 SYSTEMS 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, I-15, US 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 #4
April 5, 2018*

mcf

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: TRANSPORTATION TECHNOLOGIES		
PETITIONER: TINA QUIGLEY, GENERAL MANAGER 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 #5
April 5, 2018

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: DISCUSS COMMITTEE TOPICS OF INTEREST		
PETITIONER: TINA QUIGLEY, GENERAL MANAGER 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) and FAST personnel 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 #6
April 5, 2018

mcf

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, GENERAL MANAGER 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 #7
April 5, 2018*

mcf

Slip Sheet