

# **Appendix 14**

## **TAC Meeting Minutes**

# I-515 I-215 Interchange Feasibility Study

## TAC Kick off Meeting Minutes, February 5, 2019

1:00 – 3:00

City of Henderson “Midway” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Introductions

	<b>NAME</b>	<b>Initials</b>	<b>Location</b>	<b>Organization</b>	<b>Phone Number</b>	<b>Email address</b>
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## I-515 I-215 Interchange Feasibility Study

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### 2. Meeting goals/objectives

- Kick-off project
- Describe project/identify needs
- Progress update

### 3. Project Introduction

#### a. Project Description/Limits/Map

- I-515 extending from Horizon Drive to Galleria Drive and I-215 from Valle Verde Drive to Van Wagenen Street.
- Core focus will be on the system interchange.

#### b. TAC Members

- Representatives from FHWA, NDOT, City of Henderson, and RTCSN

#### c. Project Organization/Communication

- Organization chart will be updated and distributed monthly with TAC invite.
- When communicating regarding the project, please document any important discussions/decisions via email to JC and TD, and copy all parties involved in the discussion/decision.
- DB to be copied on any NDOT correspondence with JS1, JC, or TD.

#### d. Project schedule

- JC reviewed CPM schedule milestones.
- Initial public outreach meeting will be to seek the public's input on the problems identified.
- First public meeting will be held on March 27<sup>th</sup> in the Grand Ballroom B at the Henderson Convention Center from 4pm to 7pm.
- TAC team to review CPM schedule and contact JS1/JC with any concerns.
- MK asked about project progression.
  - JC – This is the Feasibility Study, which is pre-NEPA. Problems are identified by traffic analysis and interaction with stakeholders. Solutions to address the problems are then presented to the public. Broad waste environmental concerns are documented in a Planning Environmental Linkage Document (PEL). The next step is a NEPA document.
- Alternatives workshop tentatively on April 1<sup>st</sup>.
- Public meeting tentatively scheduled for September to present alternatives to the public.

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- Next phase – NEPA process.

### 4. Data Collection Activities/Needs

- Topo/DTM - Ariel photos from Aerotech expected on February 13<sup>th</sup>.
- ROW - NDOT provided verification for I-215 and I-515, and ROW in the vicinity of the interchange.
- As-builts
  - i. NDOT – provided as-builts as part of the SNTS.
  - ii. City – as-built request submitted.
  - iii. Utility companies – redlines have been requested.
- Project sheet – TAC team to review and provide comments.
- Project logo/name – 12 potential logos. JS1 will send PDF of power point to TAC for logo review.

### 5. Discipline status (Roadway Design, Drainage Design, Structural Design, Materials, Geotechnical, Right of Way, Utilities, City, NDOT District, Landscape and Architecture, Risk Management, etc.)

Little discussion was made – no progress at this point, next month will have more robust review of discipline progress.

- e. Current tasks/goals and % complete
- f. Perceived risks?
- g. Proposed solutions?
- h. Summarize risks, solutions and establish resolution plan

### 6. Action items

- JS1 to send power point to TAC for logo review.
- JS1 and JK to set up meeting with EM.
- JS1 to distribute Risk Register sample with meeting minutes.
- COH and NDOT to provide feedback on project name/logo.
- CA Group to provide agenda for alternatives workshop to COH and NDOT.

### 7. Next meeting: First Tuesday of the month at 1:30pm, March 5<sup>th</sup>, 2019

# I-11/I-515/I-215 Henderson Interchange Feasibility Study

## TAC Meeting 2 Minutes, March 5, 2019

1:30 – 3:30

City of Henderson “Tuscany” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Introductions

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## I-11/I-515/I-215 Henderson Interchange Feasibility Study

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### 2. Meeting goals/objectives

- Progress update

### 3. Project Management Update

#### a. TAC Members

- Review TAC attendance
- Are there others that should be included?

#### b. Project Organization/Communication

- Organization chart – **Please review and email any revisions to JS1**
- REMINDER When communicating regarding the project, please document any important discussions/decisions via email to Jim Caviola, Tom Davy, and Dave Bowers, and copy all parties involved in the discussion/decision.
- ProjectWise! – **If you would like access to the documents on ProjectWise, please send your email address and phone number to JS1, and you will receive login credentials.**

#### c. Project Information

- Project sheet – No comments received from TAC. **Please review the project sheet and provide comments by the end of the week. JS1 will distribute project sheet separately to the TAC for review.**
- Project logo update – **project logo has been selected.**
- **Project will be referred to as I-11/I-515/I215 Henderson Interchange Feasibility Study**
- Public Information Plan – **Please review and get back to KK with anything that may be missing.**
- **KK has started a stakeholder list.**
- Public meeting - March 27<sup>th</sup> - Grand Ballroom B at the Henderson Convention Center - 4pm to 7pm.
- Review Initial Draft Public Meeting Presentation – **JC went through draft public meeting PowerPoint.**
- **Concept boards at public meeting should focus on “why” instead of “what”.**
- Project Website? [www.Hendersoninterchange.com](http://www.Hendersoninterchange.com)
  - **KB will create a redirect on COH website to the landing page.**
  - **Will use a similar format to NDOT’s and have the Henderson logo.**

## I-11/I-515/I-215 Henderson Interchange Feasibility Study

- d. Project schedule update (Milestone review)
  - No comments received on CPM Schedule – Will be included with meeting minutes.
  - Alternatives workshop tentatively on April 1<sup>st</sup>. Attendees to receive Save the Date notices.
    - JS1 will send request to DB for attendee list.
    - JS1 will send out a Save the Date with draft agenda.

### 4. Data Collection Activities/Needs

- Topo/DTM - Ariel photos received from Aerotech!
- ROW
- As-builts
  - i. NDOT/COH info: Team verifying as-builts.
  - ii. Utility companies – redlines have started arriving, other clarifications being communicated

### Discipline status Updates

- Traffic Modeling
  - i. Current tasks/goals and % complete
    - JK – Aimsun models have been run for existing and 2040 no action.
    - JK will close out the 2040 no action and make sure model will correctly reflect what is in the plans.
- Right of Way
  - i. Current tasks/goals and % complete
    - ROW drawings are being finalized.
    - COH, NDOT, and VTN ROW to have meeting to review finished meetings.
- Roadway Design
  - i. Current tasks/goals and % complete
    - SB – All plans and as-builts have been received from NDOT.
    - JS1 – All data is being reviewed. Master files are being updated in ProjectWise.
- Drainage Design
  - i. Current tasks/goals and % complete
    - Drainage reports have been received from COH records department.
- Structural Design
  - i. Current tasks/goals and % complete
    - JO – All as-builts for have been acquired for the bridges within the project limits.

## I-11/I-515/I-215 Henderson Interchange Feasibility Study

- Utilities
    - i. Current tasks/goals and % complete
      - JS1 - A master file will be created with all utilities drawn in as the as-builts are received from the utility companies.
  - Materials – on hold
    - i. Current tasks/goals and % complete
  - Geotechnical – on hold
    - i. Current tasks/goals and % complete
  - Landscape and Architecture – on hold
    - i. Current tasks/goals and % complete
  - Risk Management - As the Risk Register begins to be populated, an up to date version will be on ProjectWise.
    - i. Perceived risks?
    - ii. Proposed solutions?
  - City
  - NDOT District
5. Previous action items:
- JS1 to send power point to TAC for logo review. **COMPLETE**
  - JS1 and JK to set up meeting with EM. **COMPLETE**
  - JS1 to distribute Risk Register sample with meeting minutes. **COMPLETE**
  - COH and NDOT to provide feedback on project name/logo. **COMPLETE**
  - CA Group to provide agenda for alternatives workshop to COH and NDOT. **IN PROGRESS**
6. New actions items:
- TAC to review org chart and email any edits to JS1.
  - JS1 will distribute project sheet to the TAC for review.
  - KK to send spreadsheet w/ public comments from restriping project to JS1 for distribution with meeting minutes. **COMPLETE**
  - JS1 will distribute CPM Schedule with meeting minutes.
  - JS1 will send request to DB for alternatives workshop attendee list. **COMPLETE**
  - JS1 will send out a Save the Date with draft agenda for alternatives workshop.
  - JS1 will schedule joint meeting with COH, NDOT and VTN ROW after drawings are finalized and reviewed.
7. Next meeting: First Tuesday of the month at 1:30pm, April 2, 2019 – Meeting will be moved to April 9<sup>th</sup> (Please note that due to a scheduling conflict, April's TAC has been moved to April 11<sup>th</sup> 9:00am-11:00am)

# I-11/I-515/I-215 Henderson Interchange Feasibility Study

## TAC Meeting 3 Minutes, April 11, 2019

9:00 – 11:00

City of Henderson “Tuscany” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Introductions

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## I-11/I-515/I-215 Henderson Interchange Feasibility Study

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	Wayne Horlacher	WH	Las Vegas	Horrocks	702-966-4063	<a href="mailto:wayneh@horrocks.com">wayneh@horrocks.com</a>

### 2. Meeting goals/objectives

- Progress update

### 3. Project Management Update

#### a. Project Organization/Communication

- QUICK REMINDER When communicating regarding the project, please document any important discussions/decisions via email to Jim Caviola, Tom Davy, and Dave Bowers, and copy all parties involved in the discussion/decision.
- When sending any email correspondence to NDOT staff, please reference NDOT's tracking number 20181108 in the subject line.
- Please review the Project Organization Chart and email any updates to TM. The org chart will be distributed with the meeting minutes.
- If there is anyone else that still needs access to ProjectWise, please email JS1.

#### b. Project Information

- Project sheet
  - JS1 has not received any feedback on the project sheet. Please email any comments/questions to JS1.
- Project logo update
  - KK will revise logo to remove "I-11/I-515/I-215"
  - Project will be referred to as Henderson Interchange.
  - In the subject line of emails, please refer to Henderson Interchange (20181108), and then the topic of the email.
- Public Information Plan
  - No comments have been received from the TAC. KK will redistribute separately to the TAC. Please review over the next two weeks and send any comments to JS1.
  - JC – separate stakeholder information meetings should be held with commercial properties.
  - KK will coordinate team meeting to discuss plan for reaching out to stakeholders and distribute latest list for review/update.
- Public meeting was held on March 27<sup>th</sup>
  - The top public concerns were I-11, lane drop, and timeframe.

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- KK will distribute draft Public Meeting Summary with full transcript and comments.
  - Project Website? [www.Hendersoninterchange.com](http://www.Hendersoninterchange.com)
    - David Bowers is the project contact on NDOT's website.
    - A public outreach summary will be on the website.
- c. Project schedule update (Milestone review)
  - No comments on the schedule have been received. JS1 will distribute separately.
  - Alternatives workshop was held on April 1<sup>st</sup> and 2<sup>nd</sup>
    - The workshop produced 36 concept ideas.
  - Alternatives screening will be completed by April 17<sup>th</sup>. A screening meeting will be held afterward to discuss which concepts are being considered.
    - TD would like a meeting date to be chosen ASAP.
- 4. Data Collection Activities/Needs
  - ROW – VTN is completing map. JS1 will set up meeting.
  - As-builts
    - i. NDOT/COH info: Team STILL verifying as-built documentation.
    - ii. Utility companies – redlines have started arriving, other clarifications being communicated – updated utility matrix will be distributed with meeting minutes.

### Discipline status Updates

- Traffic Modeling
  - i. Current tasks/goals and % complete
    - Operated Existing and No-Action models and extracted results for use at the Workshop. Next activity to begin after the concept improvements from the Workshop are combined to form alternatives for modeling.
    - There are some concerns about the data from the model. JK will speak to Jeff Lerud and NDOT traffic ops regarding traffic model issues/challenges and prepare a summary of potential issues. JS1 will set up a meeting in a few weeks to review.
- Right of Way
  - i. Current tasks/goals and % complete
    - ROW verification file has been received from NDOT.
- Roadway Design
  - i. Current tasks/goals and % complete
    - Concepts from the alternatives workshop are being evaluated.
- Drainage Design
  - i. Current tasks/goals and % complete
    - Received record drawing request from NDOT on 4/9/19.
- Structural Design – no update

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- i. Current tasks/goals and % complete
  - Utilities
    - i. Current tasks/goals and % complete
      - Redlines are still arriving. Follow-up communication has been sent to those who have not responded yet to the as-built request.
  - Materials – on hold
    - i. Current tasks/goals and % complete
  - Geotechnical
    - i. Current tasks/goals and % complete
      - Desktop Geotechnical Memorandum received in advance of the Alternatives workshop! 100% complete.
  - Risk Management - As the Risk Register begins to be populated, an up to date version will be on ProjectWise.
    - i. Perceived risks?
    - ii. Proposed solutions?
  - City Specific comments/Discussion
    - Need to verify HazMat issues in the southwest quad. CA Group to check with Clark County Health District on the environmental report that was done for the interchange and will add to the risk register.
  - NDOT Specific comments/Discussion - none
5. Previous action items:
- CA Group to provide agenda for alternatives workshop to COH and NDOT. **COMPLETE**
  - TAC to review org chart and email any edits to JS1. **IN PROGRESS**
  - JS1 will distribute project sheet to the TAC for review. **COMPLETE**
  - KK to send spreadsheet w/ public comments from restriping project to JS1 for distribution with meeting minutes. **COMPLETE**
  - JS1 will distribute CPM Schedule with meeting minutes. **COMPLETE**
  - JS1 will send request to DB for alternatives workshop attendee list. **COMPLETE**
  - JS1 will send out a Save the Date with draft agenda for alternatives workshop. **COMPLETE**
  - JS1 will schedule joint meeting with COH, NDOT and VTN ROW after drawings are finalized and reviewed. **IN-PROGRESS**
6. New actions items:
- KK to revise project logo to remove "I-11/I-515/I-215".

## I-11/I-515/I-215 Henderson Interchange Feasibility Study

- KK to coordinate team meeting to discuss plan for reaching out to stakeholders and distribute latest list for review/update.
- KK to distribute draft Public Meeting Summary to team for review/edits/approval.
- KK to send draft Public Information Plan to team for review/edits/approval.
- JS1 to distribute project schedule separately for TAC review/comments.
- JS1 to schedule meeting after April 17<sup>th</sup> for alternatives screening.
- JS1 to schedule ROW meeting.
- TM to distribute updated utility matrix with meeting minutes.
- JK to speak NDOT traffic ops regarding traffic model issues and prepare summary for meeting.
- JS1 to set up meeting to review traffic model issues.
- CA Group to check with Clark County Health District on the environmental report completed for the interchange, verify potential HazMat issues in the southwest quad and add to risk register.

7. Next meeting: First Tuesday of the month at 1:30pm, May 7, 2019

# Henderson Interchange Feasibility Study

## TAC Meeting 4 Minutes, May 7, 2019

1:30 – 3:30

City of Henderson “Tuscany” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Attendance

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	Steve Cooke	SC	Carson	NDOT Env	775-888-7686	<a href="mailto:scooke@dot.nv.gov">scooke@dot.nv.gov</a>
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	Wayne Horlacher	WH	Las Vegas	Horrocks	702-966-4063	<a href="mailto:wayneh@horrocks.com">wayneh@horrocks.com</a>

### 2. Meeting goals/objectives

- Progress update

### 3. Project Management Update

#### a. Project Organization/Communication

- QUICK REMINDER When communicating regarding the project, please document any important discussions/decisions via email to Jim Caviola, Tom Davy, and Dave Bowers, and copy all parties involved in the discussion/decision.
- In the subject line of all emails, please refer to Henderson Interchange (20181108), and then the topic of the email.

#### b. New Project Participant – James Mischler CA Group

#### c. Project Information

- Project sheet
- Project logo has been revised
- Public Information Plan was distributed for final review and comments on April 21<sup>st</sup>. No comments have been received.
- The draft public meeting summary was distributed for review on April 23<sup>rd</sup> – **KK will set a deadline for TAC review.**
- Project Website [www.Hendersoninterchange.com](http://www.Hendersoninterchange.com)

#### d. Project schedule update (Milestone review)

- **Alternatives screening completion is behind schedule due to the initial screening process taking longer than the two weeks expected.**
- **A recovery plan has been developed which revised four milestone delivery dates, but will maintain delivery dates for the draft and final feasibility study document.**
- **An updated schedule will be distributed with the meeting minutes. There may be later revisions needed based on the outcome of subsequent discussions regarding the need to further calibrate the Aimsun model.**

# Henderson Interchange Feasibility Study

- e. Project Draft Purpose and Need statement
  - Draft Purpose and Need Statement will be distributed with meeting minutes.
- 4. Alternatives Workshop Summary – status and preliminary results review
  - Final sketches are being developed for the concepts being reviewed.
  - There are a total of 37 alternatives being reviewed that will be narrowed down to three to be modeled.
  - JM3 developed a double diverging diamond concept since the alternatives workshop, which is being reviewed.
  - The initial screening report will be available after May 21<sup>st</sup>.
  - DB asked JS1 to distribute the ranking/screening criteria to the TAC. The list will be distributed with the meeting minutes.
  - JC would like to have a meeting with COH and NDOT to review concepts before the initial screening report. JS1 will coordinate meeting (May 15th 8-10am?).
- 5. Data Collection Activities/Needs
  - DB will get at update on NDOT restriping project.
  - ROW status – Meeting with Mike Kidd (May 13th)
    - JS1 will send meeting invite and agenda to DB.
  - As-builts
    - i. NDOT/COH info: Team STILL verifying as-built documentation.
    - ii. Utility companies – redlines have started arriving, other clarifications being communicated. JS1 will follow up with Saguaro.
  - Hazardous Materials Memo
    - Hazardous Materials Memo that was prepared by JB will be distributed separately to the TAC.
    - Information from the final environmental report completed in the 2000's on what materials were dug out and what was left behind (close to natural gas line and NDOT structures) will be added to the memo. JS1 will discuss with JB.
- 6. Discipline status Updates
  - Traffic Modeling
    - i. Current tasks/goals and % complete
      - Assessment of Aimsun model performance - 50%
        - JK believes there is some calibration to be done.
        - JC – can calibration be deferred to the environmental phase of the project?

## Henderson Interchange Feasibility Study

- The discussion was deferred to a meeting with NDOT Traffic Operations tentatively planned for May 14<sup>th</sup>.
  - Identify 3 Alternatives for Aimsun modeling following Alternatives screening - Ongoing 5%
- Right of Way
  - i. Current tasks/goals and % complete
    - ROW Meeting scheduled for next week (5/13 or 14) ROW 90% complete.
    - No survey yet.
    - MK requested topo and aerials. JS1 will send link to info on ProjectWise.
- Roadway Design
  - i. Current tasks/goals and % complete
    - Concepts from the alternatives workshop are being evaluated. – 70% complete
    - Future task is to develop screened alternative geometries.
- Drainage Design
  - i. Current tasks/goals and % complete
    - Received record drawing request from NDOT on 4/9/19.
    - Next task will be to review alternatives from a drainage perspective and identify potential risks.
- Structural Design – no update
  - i. Current tasks/goals and % complete
- Utilities
  - i. Current tasks/goals and % complete
    - Redlines are still arriving. Follow-up communication has been sent to those who have not responded yet to the as-built request.
- Materials – on hold
  - i. Current tasks/goals and % complete
- Geotechnical
  - i. Current tasks/goals and % complete
    - Desktop Geotechnical Memorandum received in advance of the Alternatives workshop! 100% complete.
- Risk Management – An up-to-date Risk Register is available on ProjectWise. The risk register will be distributed after it is updated.
  - i. Perceived risks?
  - ii. Proposed solutions?
- City Specific comments/Discussion

## Henderson Interchange Feasibility Study

- COH would like to hold a separate meeting for businesses in the project area before the next public meeting.
- NDOT Specific comments/Discussion
  - DB has concerns about UPRR.
  - It was discussed that a letter was sent to Peggy Ygbuhay at UPRR notifying her about the feasibility study and requesting information on UPRR's involvement during the study.

### 7. Previous action items:

- TAC to review org chart and email any edits to JS1. **IN PROGRESS**
- JS1 will schedule joint meeting with COH ROW, NDOT ROW and VTN ROW after drawings are finalized and reviewed. **IN PROGRESS**
- KK to coordinate team meeting to discuss plan for reaching out to stakeholders and distribute latest list for review/update. **IN PROGRESS**
- CA Group to check with Clark County Health District on the environmental report completed for the interchange, verify potential HazMat issues in the southwest quad and add to risk register. **IN PROGRESS**
- JS1 to distribute project schedule separately for TAC review/comments. **TO BE UPDATED**
- JS1 to schedule meeting after April 17th for alternatives screening. **IN-PROGRESS**
- JS1 to schedule ROW meeting. **SCHEDULED FOR MAY 13/14**
- JK to speak NDOT traffic ops regarding traffic model issues and prepare summary for meeting. **MEMO PREPARED - MEETING TO BE SCHEDULED**
- JS1 to set up meeting to review traffic model issues. **TO BE SCHEDULED – Hoang in Vietnam, will return in May**
- TM to distribute updated utility matrix with meeting minutes. **COMPLETE**
- KK to revise project logo to remove “I-11/I-515/I-215”. **COMPLETE**
- KK to distribute draft Public Meeting Summary to team for review/edits/approval. **COMPLETE**
- KK to send draft Public Information Plan to team for review/edits/approval. **COMPLETE**

### 8. New actions items:

- KK to set a deadline for the TAC to review draft public meeting summary that was distributed on April 23rd.
- JS1 to distribute the updated project schedule with meeting minutes.
- JK to schedule a meeting with NDOT Traffic Ops to discuss whether further calibration of the Aimsun model is warranted based on his May 6 Technical Memorandum
- JS1 to distribute draft Purpose and Need Statement with meeting minutes.
- JS1 to distribute alternatives ranking/screening criteria with meeting minutes.
- JS1 to coordinate meeting with COH and NDOT to review concepts (May 15th 8-10am?).

## Henderson Interchange Feasibility Study

- DB to get update on NDOT restriping project.
- JS1 to send May 13<sup>th</sup> ROW meeting invite and agenda to DB.
- JS1 to follow up with Saguaro on as-built request.
- JS1 to distribute Hazardous Materials Memo separately to the TAC.
- JS1 to send ProjectWise link for topo and aerials to MK.
- JS1 to update risk register and distribute to TAC.

9. Next meeting: First Tuesday of the month at 1:30pm, June 4, 2019

# Henderson Interchange Feasibility Study

## TAC Meeting 5 Agenda, June 4, 2019

1:30 – 3:30

City of Henderson “Tuscany” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Attendance

	NAME	Initials	Location	Organization	Phone Number	Email address
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	Angie Tiongson	AT	Las Vegas	CA Group	702-253-2372	<a href="mailto:Angelie.Tiongson@c-agroup.com">Angelie.Tiongson@c-agroup.com</a>
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## Henderson Interchange Feasibility Study

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X	Sam Ahiamadi	SA	Carson	NDOT	775-888-7811	<a href="mailto:sahiamadi@dot.nv.gov">sahiamadi@dot.nv.gov</a>
X	Scott Jarvis	SJ	Las Vegas	COH Public Works	702-267-3065	<a href="mailto:Scott.Jarvis@cityofhenderson.com">Scott.Jarvis@cityofhenderson.com</a>
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X	Steve Buckley	SB2	Carson	NDOT	775-888-7928	<a href="mailto:sbuckley@dot.nv.gov">sbuckley@dot.nv.gov</a>
	Steve Cooke	SC	Carson	NDOT Env	775-888-7686	<a href="mailto:scooke@dot.nv.gov">scooke@dot.nv.gov</a>
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X	Victoria Furutani	VF	Las Vegas	NDOT		<a href="mailto:vfurutani@dot.nv.gov">vfurutani@dot.nv.gov</a>
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### 2. Meeting goals/objectives

- Progress update

### 3. Project Management Update

#### a. Project Organization/Communication

- QUICK REMINDER When communicating regarding the project, please document any important discussions/decisions via email to Jim Caviola, Tom Davy, and Dave Bowers, and copy all parties involved in the discussion/decision.
- In the subject line of all emails, please refer to Henderson Interchange (20181108), and then the topic of the email. – TD stated that not everyone has been following this guideline. **Please be sure to use this in the subject line of all emails referencing this project.**

#### b. Project Information

- Project sheet complete
- Project logo final
- Public Information Plan complete
- KK submitted the draft public meeting summary to the TAC for review on May 24<sup>th</sup>, asking for comments back by May 31<sup>st</sup>.
  - All comments have been addressed. The final Public Meeting Summary is available on ProjectWise and will be distributed with meeting minutes.
  - There are a few public comments that still need to be responded to. KK will send to JC for him to acknowledge/respond to.
  - All public comments/resolutions will be included in the Feasibility Study.

## Henderson Interchange Feasibility Study

- A stakeholder outreach meeting was held on May 6<sup>th</sup>.
  - After a concept has been developed, owners of the properties that will be impacted will be contacted individually or in a small group for stakeholder outreach.
- Project Website [www.Hendersoninterchange.com](http://www.Hendersoninterchange.com)
- c. Project schedule update (Milestone review)
  - Due to the need to perform a static calibration, the completion date of the traffic analysis and development of the Aimsun model is being pushed back several months, which also pushes the public meeting back to November.
- d. Project Draft Purpose and Need statement
  - A Draft P&N has been reviewed by NDOT environmental and revisions were made. It will be distributed to the TAC for review.
- 4. Alternatives Workshop Summary – status and preliminary results review
  - CA Group will schedule a meeting for 6/20 to present the alternatives screening report to attendees of the workshop to get their input.
- 5. Data Collection Activities/Needs
  - As-builts
    - i. NDOT/COH info: Seeking I-515 (US 95 extension) as-builts.
      - Expected by 6/14.
- 6. Discipline status Updates
  - Traffic Modeling
    - i. Identified need for calibration of the Aimsun model
      - Jacobs to develop level of effort for dynamic calibration and expected schedule. JC will email JK regarding schedule and cost for dynamic calibration, and to find out when he is available for a conference call to discuss.
  - Right of Way
    - i. Current tasks/goals and % complete
      - Right of way review meeting held.
      - ROW map is nearly complete.
  - Roadway Design
    - i. Current tasks/goals and % complete
      - Draft Alternatives Screening Report submitted for review 5/21/19. Comments being addressed for resubmittal. To mitigate schedule impacts of traffic modeling, de-link this task from the traffic modeling work.

## Henderson Interchange Feasibility Study

- Drainage Design
  - i. Current tasks/goals and % complete
    - Received record drawing request from NDOT on 4/9/19.
- Structural Design – **no update**
  - i. Current tasks/goals and % complete
- Utilities
  - i. Current tasks/goals and % complete
    - Level D utility **plan master CAD file** based on record plans is 100% complete
- Materials – **on hold**
  - i. Current tasks/goals and % complete
- Geotechnical
  - i. Current tasks/goals and % complete
    - Desktop Geotechnical Memorandum received in advance of the Alternatives workshop. **100% complete.**
- Risk Management – An up-to-date Risk Register is available on ProjectWise.
  - i. Perceived risks?
    - **UPRR is on the risk register. Peggy has not responded to the request on how UPRR would like to be involved in the Feasibility Study process. Follow up correspondence was sent.**
  - ii. Proposed solutions?
    1. **CA Group will continue to work to communicate with UPRR, and will also coordinate all effort with Scott Jarvis to streamline and possibly capitalize on other City/UPRR coordination**
- City Specific comments/Discussion - **none**
- NDOT Specific comments/Discussion - **none**

### 7. Previous action items:

- DB to get update on NDOT restriping project. **COMPLETE**
- CA Group to check with Clark County Health District on the environmental report completed for the interchange, verify potential HazMat issues in the southwest quad and add to risk register. **Email received from Health District on 5/29/19. They have no additional records - COMPLETE**
- TAC to review org chart and email any edits to JS1. **COMPLETE**
- JS1 will schedule joint meeting with COH ROW, NDOT ROW and VTN ROW after drawings are finalized and reviewed. **COMPLETE**
- KK to coordinate team meeting to discuss plan for reaching out to stakeholders and distribute latest list for review/update. **COMPLETE**

## Henderson Interchange Feasibility Study

- JS1 to distribute project schedule separately for TAC review/comments. **COMPLETE**
- JS1 to schedule meeting after April 17th for alternatives screening. **MEETING HELD 5/20/19 - COMPLETE**
- JS1 to schedule ROW meeting. **COMPLETE**
- JK to speak NDOT traffic ops regarding traffic model issues and prepare summary for meeting. **MEMO PREPARED - MEETING HELD 5/14/19 - COMPLETE**
- JS1 to set up meeting to review traffic model issues. **COMPLETE**
- KK to set a deadline for the TAC to review draft public meeting summary that was distributed on April 23rd. **COMPLETE**
- JS1 to distribute the updated project schedule with meeting minutes. **COMPLETE**
- JK to schedule a meeting with NDOT Traffic Ops to discuss whether further calibration of the Aimsun model is warranted based on his May 6 Technical Memorandum. **MEETING HELD 5/14/19 - COMPLETE**
- JS1 to distribute draft Purpose and Need Statement with meeting minutes. **COMPLETE**
- JS1 to distribute alternatives ranking/screening criteria with meeting minutes. **COMPLETE**
- JS1 to send May 13<sup>th</sup> ROW meeting invite and agenda to DB. **COMPLETE**
- JS1 to follow up with Saguro on as-built request. **COMPLETE**
- JS1 to distribute Hazardous Materials Memo separately to the TAC. **COMPLETE**
- JS1 to send ProjectWise link for topo and aerials to MK. **COMPLETE**
- JS1 to update risk register and distribute to TAC. **COMPLETE**

### 8. New actions items:

- CA Group to distribute the final Public Meeting Summary with meeting minutes.
- KK to send remaining public comments that need a response to JC.
- CA Group to schedule a meeting for 6/20 to present the alternatives screening report to attendees of the workshop.
- CA Group to distribute Draft Purpose and Need Statement to the TAC for review.
- JC to email JK regarding schedule and cost of dynamic calibration and to find out his availability for a conference call to discuss.

### 9. Next meeting: First Tuesday of the month at 1:30pm, July 2, 2019 – Due to the holiday, the next TAC meeting has been moved to July 10<sup>th</sup> and 1:30pm.



# Henderson Interchange Feasibility Study

## TAC Meeting 6 Minutes, July 10, 2019

1:30 – 3:30

City of Henderson “Tuscany” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757



### 1. Attendance

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### 2. Meeting goals/objectives

- Progress update

### 3. Project Management Update

- Project schedule update (Milestone review)
  - Alternatives screening is still in progress. Comments on the Alternatives Screening Report are expected by the end of the week.
    - DB requested it be stated that public comments have been included with the concept ideas.
  - Public Meeting Summary was submitted to the TAC for review on 7/10/19.

### 4. Alternatives Workshop follow up debrief

- Comments due 7/8
- Alternative combinations for development
- Screening report for inclusion in Feasibility Study appendix

### 5. Discipline status Updates

- Traffic Modeling
  - Static calibration of the Aimsun model has begun with Notice to Proceed. The formal Amendment is expected in July.

## Henderson Interchange Feasibility Study

- The schedule and cost for dynamic calibration, if needed; is to be determined following the Static calibration. An estimate, subject to change following the static calibration results, is available for order-of-magnitude discussions.
  - JK will send a phone conference meeting invitation to the TAC for the July 23<sup>rd</sup> meeting in Carson with NDOT traffic ops.
  - Lane configurations for alternatives development.
    - No fatal flaws in recommended alternatives have been identified to date.
  - Right of Way
    - i. Current tasks/goals and % complete
      - Right of way linework complete.
      - Landwell parcel
      - Right of way exhibits requested by Mike Kidd are underway.
  - Roadway Design
    - i. Current tasks/goals and % complete
      - Revised Draft Alternatives Screening Report submitted for review 6/20/19.
      - Geometric alternatives development
        - JC and JM3 presented three alternatives. The PowerPoint presentation showing all three alternatives is available on ProjectWise and will be distributed with the meeting minutes.
  - Drainage Design on hold pending geometric development.
  - As-built flood control items entered into plans.
  - Looked at alternatives for freeway storm drain to tie-into master plan facility.
  - Structural Design on hold pending geometric development.
  - Utilities Level D CAD file is complete.
    - TM will contact SWG regarding relocation project by the Fiesta.
  - Materials on hold pending geometric development.
  - Geotechnical Memorandum is complete.
  - Risk Management – An up-to-date Risk Register is available on ProjectWise.
    - DB requested the Risk Register to be included for future meetings.
  - City Specific comments/discussion.
  - NDOT Specific comments/discussion.
6. Additional discussion:
- JK – traffic volume for I-15 is 30K trips ADT each direction, and I-11 is 12,500 trips ADT each direction.
  - SB2 requested link to R/W information. GA Group will provide link after completion.
7. Previous action items:
- CA Group to distribute the final Public Meeting Summary with meeting minutes. **COMPLETE**
  - KK to send remaining public comments that need a response to JC. **COMPLETE**
  - CA Group to schedule a meeting for 6/20 to present the alternatives screening report to attendees of the workshop. **COMPLETE**
  - CA Group to distribute Draft Purpose and Need Statement to the TAC for review. **COMPLETE**

## Henderson Interchange Feasibility Study

- JC to email JK regarding schedule and cost of dynamic calibration and to find out his availability for a conference call to discuss. **COMPLETE**

### 8. New actions items:

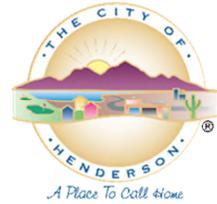
- JK to send a phone conference meeting invitation to the TAC for the July 23<sup>rd</sup> NDOT traffic ops meeting in Carson.
- TM to contact SWG regarding relocation project by the Fiesta.
- CA Group to include Risk Register for future TAC meetings.
- CA Group to provide link to R/W info to SB2.

### 9. Next meeting: Tuesday, September 3rd



# Henderson Interchange Feasibility Study

## TAC Meeting 7 Minutes, September 3, 2019



1:30pm – 3:30pm

City of Henderson “Tuscan” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Attendance

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### 2. Meeting goals/objectives

- Progress update
- Set date for Public Meeting No. 2
  - KK will reach out to Burkholder Middle School and Valley View Rec Center to secure location.
  - The 3D visualization for the presentation is scoped for existing condition and one alternative. Does COH want to add the visualization for the second alternative? The cost is approximately \$12,000 and lead time for the modeling is six weeks.
    - JM – At the end of October we will have the traffic analysis and costs. At that point a decision can be made on a preferred alternative. The public meeting can be deferred until December.
    - It was decided that the meeting will be scheduled after a decision is made on the number of alternatives.

### 3. Project Management Update

- Project is on schedule (Milestone review)
  - Existing expanded configuration is almost complete. Plots will be sent to TD after completion.
- All outreach materials, including the PI Summary and an up-to-date comments/responses database are on ProjectWise in the “outreach” folder.
- No new comments or requests have been received from stakeholders or the public via email or the website.

# Henderson Interchange Feasibility Study

## 4. Discipline status Updates

- Traffic Modeling
  - Static and dynamic calibration of the Aimsun model was completed in August.
  - The year 2040 No-Action forecast demand volumes are available.
  - We have begun to code in Alternative 3 (Double DDI) Build Alternative in the traffic model.
- Right of Way
  - i. Current tasks/goals and % complete
    - Right of way linework complete.
    - Right of way exhibits requested by Mike Kidd are complete.
- Roadway Design
  - i. Alternative 3 (Double DDI) layout and vertical design is complete, costing is underway
    - A phased construction plan has been developed for the Double DDI showing four main phases.
    - The slip ramp for Horizon Ridge Parkway needs further evaluation. *Subsequent traffic analysis following the meeting showed that while the slip ramp provided some benefit to Horizon Drive operation during the PM peak hour, weaving on SB I-515 approaching the slip ramp degraded I-515 level of service to LOS F. It is therefore recommended by the design team to abandon this idea.*
    - TD requested a slide showing bridge removal.
  - ii. Alternative 1 (Existing Configuration) layout is complete and vertical design is underway – *Plan layout to be complete by 9/6.*
  - iii. Alternative 2 (Modified SPUI) layout is underway – *The geometry is very similar to the expanded existing configuration. Does it make sense to carry this alternative forward? JM requested that the TAC provide their input on whether or not this is an alternative that should be developed.*
- Drainage Assessment now underway with completion of layouts for Alternatives 1 & 3.
  - i. As-built flood control items entered into plans.
  - ii. Looked at alternatives for freeway storm drain to tie-into master plan facility.
- Structural Concepts are under development, presenting concepts to NDOT Structures on September 12.
- Utilities Level D CAD file is complete.
- Materials assessment underway – Got dirt?
  - *The Double DDI has fewer structures but more embankment, so there will be a need for embankment borrow. As cost estimates are developed, we will apply a number to the cubic yards of borrow.*
- Geotechnical Memorandum is complete.
- Visualization – existing conditions model is complete.
  - *A link to the model was included in the email with the meeting agenda.*
- Risk Management – An up-to-date Risk Register is available on ProjectWise. Anticipate risk workshop in November.
  - *One day workshop to be tentatively held during the second week in November.*
- City Specific comments/discussion - None

## Henderson Interchange Feasibility Study

- NDOT Specific comments/discussion.
    - DB discussed concerns over MOT during the project.
    - JC - CA Group will compile an impact list.
5. Additional discussion:
- JM - The Las Palmas connection is feasible and can be included in the interchange project or can be a standalone project. From a traffic modeling standpoint, since that connection was not in the Aimsun Next model, it will not affect the traffic modeling.
    - Through group discussion it was determined that this will not be carried to the public meeting. DB requested that decision be documented.
6. Previous action items:
- JK to send a phone conference meeting invitation to the TAC for the July 23<sup>rd</sup> NDOT traffic ops meeting in Carson. **COMPLETE**
  - TM to contact SWG regarding relocation project by the Fiesta. **COMPLETE**. SWG emailed the design for their Lake Mead Fiesta Henderson project on 7/30/19.
  - CA Group to include Risk Register for future TAC meetings. **COMPLETE**
  - CA Group to provide link to R/W info to SB2. **COMPLETE**.
7. New actions items:
- KK will reach out to Burkholder Middle School and Valley View Rec Center to secure location for public meeting.
  - JM to send plots of the existing expanded configuration to TD after completion.
  - CA Group to compile an impact list for MOT.
8. Next meeting: Tuesday, October 1<sup>st</sup>



# Henderson Interchange Feasibility Study

## TAC Meeting 8 Minutes, October 1, 2019



1:30pm – 3:30pm

City of Henderson “Tuscan” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Attendance

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### 2. Meeting goals/objectives

- Progress update
- KK contacted the following venues for the public meeting:
  - Fiesta Hotel – the only available date is 12/12
  - Gibson Library – 12/10 and 11 are not available.
    - A walkthrough is scheduled for Friday morning (10/4). If the venue will meet the needs for the public meeting, KK will secure it for 12/5/19.
  - Valley View Rec Center – a room has been held for 12/10 and the fee was waived. JM1 is checking on the availability of AV equipment and a projector screen.
  - Burkholder Middle School – the only room available will not accommodate the number of people and layout needed for the public meeting.
  - KK will distribute a public meeting checklist to the team.
  - KK will prepare a preliminary public meeting agenda and distribute to the TAC.
  - KK will start preparing the public meeting materials.
  - A decision regarding whether to develop and present visualization models for one or more build alternatives was deferred to the week following this TAC meeting.

### 3. Project Management Update

- Project is on schedule
  - Roadway alternatives are complete and are now in traffic analysis, where areas of potential improvements are being identified.
  - Traffic analysis will be complete by the third week in October.

# Henderson Interchange Feasibility Study

## 4. Discipline status Updates

- Traffic Modeling
    - Alternative 1 – Existing configuration (expanded) is coded geometrically into the AIMSUN traffic model.
    - Alternative 2 – Modified SPUI configuration is being coded into the AIMSUN traffic model.
    - Alternative 3 – The system DDI configuration is coded geometrically into the AIMSUN model.
    - Following Quality Control checks, the models will be operated to obtain volumes, initial observations and results in October.
    - Meeting with roadway team later this week to explore tweaks and improvements.
    - **Next week traffic signal timing will be coded for the ramp terminal intersections.**
  - Right of Way
    - COMPLETE
  - Roadway Design completed but subject to revision for maintenance access, etc.
    - **A meeting will be held with NDOT maintenance on 10/2 to receive their input on the three options for maintenance access:**
      - **Cantilevered roadways to provide 15' from walls to right of way boundary.**
      - **Purchase right of way to provide 15'.**
      - **Elevate future HOV lanes on MSE and viaduct.**
- Conclusions from the subsequent October 2 meeting with NDOT maintenance were to provide at least 12' from walls to right of way; cantilevers up to 2' wide; and to reduce shoulder widths from 12' to 10' in order to provide for maintenance access without the need for additional right of way. The City of Henderson may explore relocation of the combined pedestrian/bike path on the south side of I-215 between Gibson and the park to some other locations.*
- Drainage Assessment now underway with completion of layouts
    - i. As-built flood control items entered into plans.
    - ii. Looked at alternatives for freeway storm drain to tie-into master plan facility.
  - Structural Concepts are under development, presented concepts to NDOT Structures on September 12.
  - Utilities Level D CAD file is complete.
  - **A second letter was sent to UPRR in September. Have not received a response back yet.**
    - **Bridges over UPRR mainline will be widened.**
    - **TD - Need to obtain the GC Wallace plans for the UPRR trail.**
  - Materials assessment underway.
  - Geotechnical Memorandum is complete.
  - Visualization – existing conditions model is complete. Decisions are needed before moving forward with visualization models for build alternatives
    - **TD asked to table this for now and discuss early next week.**
  - Risk Management – An up-to-date Risk Register is available on ProjectWise. Anticipate risk workshop in November.
    - **Potential additional cost for remediation of hazardous materials encountered to the Risk Register.**
    - **Stormwater facilities cost.**

## Henderson Interchange Feasibility Study

- City Specific comments/discussion
  - NDOT Specific comments/discussion
5. Additional discussion:
- The decision was made during the TAC meeting to drop Alternative 2 because it provides a traffic benefit that is less than Alternative 1 but has a higher cost than Alternative 1. The decision to drop Alternative 2 along with the reason why will be documented.
  - The Risk Analysis Workshop is on the calendar for November 18<sup>th</sup>.
6. Previous action items:
- KK will reach out to Burkholder Middle School and Valley View Rec Center to secure location for public meeting. **COMPLETE**
  - JM to send plots of the existing expanded configuration to TD after completion. **COMPLETE**
  - CA Group to compile an impact list for MOT – Construction phasing plans are in development. **IN PROGRESS**
7. New actions items:
- KK will distribute a public meeting checklist to the team.
  - KK will prepare a preliminary public meeting agenda and distribute to the TAC.
  - KK to begin preparing the public meeting materials.
  - JM4 to contact GC Wallace to obtain plans for the UPRR trail.
  - JM4 to add potential additional cost for remediation of hazardous materials and stormwater facilities cost to the Risk Register.
8. Next meeting: Tuesday, November 19th



# Henderson Interchange Feasibility Study

## TAC Meeting 9 Minutes, November 19, 2019



1:30pm – 3:30pm

City of Henderson “Tuscan” Conference Room

OR online via GoToMeeting web conference: (312)-757-3121 Meeting ID: 923-112-757

### 1. Attendance

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## Henderson Interchange Feasibility Study

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### 2. Meeting goals/objectives

- Progress update
- Public Meeting planning
  - Public meeting will be held on 12/5
  - Notifications were sent to the RJ and El Tiempo
  - Mailers are in the process of being mailed out
  - The next TAC meeting on December 3<sup>rd</sup> will be a public meeting dry run
  - Visualization for alternatives 1 and 3 will be ready for the prep meeting
  - The TAC reviewed the slide presentation for the public meeting
    - “If needed” will be added after Phase 2 on the project timeline slide
    - On the purpose and need slides a bullet will be added under need to say “add second lane back to westbound Lake Mead to westbound 215

### 3. Project Management Update

- KK will have a Public Participation Plan draft prepared by 12/6
- Alternative 1 and Alternative 3 will be changed to Option 1 and Option 2

# Henderson Interchange Feasibility Study

## 4. Discipline status Updates

- Traffic Analysis
  - All traffic modeling work COMPLETE
  - The Traffic Forecasting Memorandum, including documentation of the model calibration, is currently being prepared.
- Right of Way COMPLETE
- Roadway Design COMPLETE
  - Minor adjustments were made to the geometry for both alternatives and the costs have been updated.
  - Maintenance access was coordinated with NDOT D1 Maintenance and incorporated into both alternatives. They agreed to cantilevered roadways at 10' from ROW with 12' minimum from walls to ROW boundary.
  - It was decided that option 2 will not be called a DDI.
  - There was discussion on if the south side bike path should be 8' or 12'. A 6' cantilever would allow for a 12' path.
- Drainage Assessment now underway with completion of layouts
  - The write-up for the existing drainage facilities section of the feasibility report is complete and with Paul Frost for review.
  - VF is identifying impacts to utilities from alternatives 1 and 3.
  - Utility impact tables have been completed for drainage, gas, sewer, and water and is in progress for electrical.
- Structural Concepts are under development, presented concepts to NDOT Structures on September 12th.
- Utilities Level D CAD file is COMPLETE.
- Materials assessment underway.
- Geotechnical Memorandum COMPLETE.
- Visualization – existing conditions model is complete. Draft build alternatives models have been completed and reviewed with comments provided back to RDV Systems for incorporation prior to the public meeting.
- Risk Management – An up-to-date Risk Register is available on ProjectWise.
  - The cost risk workshop was held on 11/18.
  - A new risk was added under design for storm water facility impacts.

## 5. Additional discussion:

- City Specific comments/discussion
- NDOT Specific comments/discussion

## 6. Previous action items:

- CA Group to compile an impact list for MOT – Construction phasing plans are in development. **IN PROGRESS**
- KK will distribute a public meeting checklist to the team. **COMPLETE**
- KK will prepare a preliminary public meeting agenda and distribute to the TAC. **COMPLETE**
- KK to begin preparing the public meeting materials. **IN PROGRESS**
- JM4 to contact GC Wallace to obtain plans for the UPRR trail. **IN PROGRESS**
- JM4 to add potential additional cost for remediation of hazardous materials and stormwater facilities cost to the Risk Register. **COMPLETE**

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7. New actions items:
  - KK will have the draft Public Participation Plan completed by 12/6
8. Next meeting: December 3, 2019? The December 3<sup>rd</sup> meeting will be a dry run for the public meeting.