

MEMORANDUM

Date: March 5, 2019
To: Sandy City
From: Hales Engineering

Subject: Rio Tinto Stadium – Temporary Off-Site Event Parking 2019 Update

This memorandum addresses the Rio Tinto Stadium – Temporary Off-Site Event Parking and correlates to the proposed Sandy City Land Development Code, Off-Street Parking Standards ordinance amendments (Code #15-06-05, Section B - General Provisions, proposed item 5 with subsections a) through n).

5. ***Temporary Off-Site Event Parking. Temporary off-site parking for events may be allowed after review and approval of a parking and access management plan by the Planning Commission at a public meeting. Temporary parking is parking established for a fixed period of time with the intent to discontinue such parking upon the expiration of the time period. An occasional event with an expected attendance of less than five hundred (500) persons or if the event does not occur more than once a year shall not be subject to the requirements of this Section.***

The applicant will be responsible to make provisions for on- and off-site parking, safe pedestrian routes to and from the off-site parking, transportation to and from off-site locations beyond a 5,000-foot (approximately 15-minutes) walking route, entry and exiting methods, temporary or permanent traffic control methods, and restricting parking in identified areas.

The parking and access management plan must be approved prior to the issuance of a temporary use permit, business license, or certificate of occupancy required for the event, project, or use. Upon approval, the parking and access management plan shall be available for public inspection. All approved updates of a parking and access management plan shall be available for public inspection.

The applicant may be responsible to post a guarantee for improvements and implementation of various components of the parking and access management plan.

Rio Tinto Stadium Parking Management Plan – 2019 Update

- a. *Determine the total number of parking spaces required based upon the land use category less any anticipated mass transit projection, which may be limited to 15% of the total number of required parking spaces unless greater mass transit use is demonstrated.*

Total Soccer Match Required Parking: 4,548 total parking spaces.

Soccer Match ¹ :	20,213 attendees
(-) Mass Transit riders:	<u>2,021 attendees</u> (10% of attendees) ²
	18,192 attendees will drive to stadium

18,192 attendees / 4 seats per vehicle = 4,548 spaces

Concert events will no longer be held in Rio Tinto Stadium.

- b. *Establish the minimum number of on-site spaces that are required. Specify the number of those on-site spaces that will be reserved for or utilized by employees, VIP's, buses, media, etc.*

656 spaces required on-site (minimum).

West Stadium Lot =	414 stalls
South Stadium Lot =	197 stalls
Stadium Loading Docks =	80 stalls for players / coaches, plus visiting team bus
North Lot =	275 stalls
Auric Solar Lot =	563 stalls
Flag Lot =	100 stalls
Canyons Lot =	250 stalls
Audi Lot =	69 stalls

Total = 1,948 stalls (see Figure 1)

Employees and staff personnel will be encouraged to ride mass transit or to use the shuttle route provided by Rio Tinto Stadium. Shuttle routes will begin operation two hours before game time and continue until two hours after the event is over for employees.

- c. *Establish the minimum number of off-site spaces, if any, that are required within a 1,650 foot⁴ (approximately 5-minutes) walking route of the site.*

1,602 additional spaces acquired / secured (minimum) within a 5-minute walking route to the site.

Monroe Plaza Parkway Lot =	400 stalls
UYSA Lot =	100 stalls
Sandy Business Park Lot =	300 stalls
South Towne Expo Center =	675 stalls
UDOT Frontage Road Lot =	127 stalls
Total = 1,602 stalls (see Figure 2)	

- d. *Establish the minimum number of off-site parking spaces, if any, that are required within a 5,000 foot⁴ (approximately 15-minutes) walking route of the site.*

1,901 additional spaces acquired / secured within a 15-minute walking route to the concourse area.

Sizzler Lot =	200 stalls
Sandy City Hall =	285 stalls
Mountain American parking structure =	930 stalls
UTA Sandy Civic Center TRAX station =	20 stalls
UTA Historic Sandy TRAX station =	316 stalls
Workers Comp.=	150 stalls

Total = 1,901 stalls (see Figure 3)

A shuttle route runs between the Sandy City Hall parking and the stadium and before and after the game.

In total, 5,451 stalls are owned or secured by Rio Tinto Stadium, thus meeting the required amount of 4,548 stalls.

- e. *Establish the minimum number of off-site parking spaces, if any that are required beyond the 5,000-foot (approximately 15-minutes) walking route of the site.*

No stalls are anticipated beyond the 15-minute walking route of the Stadium.

- f. *Identify all off-site parking sites potentially available to be used for c, d and e above. Identify methods that the applicant will provide for safe pedestrian routes to and from the parking sites satisfying criteria c and d, above, e.g. wider sidewalks, trails, bridges, permanent or temporary traffic control devices, individuals directing traffic, etc. and methods to provide transportation to and from those sites satisfying criterion e, above, e.g. TRAX, UTA buses, shuttle buses, etc. and provide a timeline for the implementation of the identified methods. Each potential off-site parking location shall conform to the parking area development and maintenance requirements in this Section.*

Figure 2 shows the off-site parking supply within a 5-minute walk route of the stadium. Figure 3 identifies the off-site parking within a 15-minute walk route, and parking areas beyond the 15-minute walk routes where shuttles will be used.

The following methods have been implemented:

1. UDOT with their State Street road widening paved the park strip area between 9000 South and Town Ridge Parkway on the west side of the road, which provides an effective walking sidewalk width of 8-feet
 2. Master plan sidewalk widening projects
 3. Sandy City is working with the canal companies to extend a trail along the eastern-most canal for pedestrian use
 4. A pedestrian bridge has been constructed over the canal on the northeast corner of the stadium and a new wider staircase was constructed (2014)
 5. Temporary traffic control devices
 - a. Barriers used to control pedestrians for in-load and out-load of the stadium
 6. Crowd control officers – Officers were used at the 9400 South / State Street traffic signal, 9400 South / Stadium Road, 9400 South / Monroe Street, 9200 South (stadium road) / State Street intersections and along State Street east of the stadium.
 7. Several parking lots close to the stadium sell parking spaces to the public during stadium events. These locations are not under contract but have consistently provided parking for events. These locations are shown in Figure 4 and had an estimated 5,000(+) parking stalls, with peak recorded event parking of 2,406 parked vehicles for the Paul McCartney concert on July 13th, 2010, and 2,356 parked vehicles for an RSL soccer game on Aug. 18th, 2010. In addition, we have not included any on-street parking stalls within our calculations.
 8. UDOT installed a pedestrian signal at 9200 South (stadium road) / State Street to allow pedestrians to cross safely. This pedestrian signal is a temporary measure until a permanent traffic signal can be installed following the realignment of 9270 South. The signalized intersection is currently (2019) being designed.
- g. Identify neighborhoods and other areas that will specifically not be allowed to be part of the calculation of available parking spaces or will be subject to parking restrictions during the event. Identify measures that the applicant will implement to prevent parking within restricted areas, e.g. signage, security personnel, proposed new parking regulations, etc. and provide a timeline for the implementation of the identified methods.*

As previously identified, the neighborhoods in the vicinity of the stadium have been excluded from the parking calculations.

For events at the stadium during 2013, traffic signs reading, “No Event Parking,” were effectively used to limit parking in several areas along with several temporary traffic barriers that were placed across the inbound traffic lanes at several locations to prevent parking infiltration into local neighborhoods, see pictures in Appendix A.

Implementation of these measures was sufficient for the 2013(+) events at Rio Tinto Stadium since implemented.

In addition, Rio Tinto stadium will remind their patrons that parking in the adjacent neighborhoods is not appropriate or acceptable.

- h. Identify pedestrian exit times and volumes to on-site and off-site parking areas. Identify methods that the applicant will implement to manage the projected volume expeditiously and safely, e.g. wider sidewalks, temporary or permanent traffic control methods, etc. and provide a timeline for the implementation of the identified methods.*

Refer to item (f) for pedestrian management strategies.

UDOT has installed a pedestrian signal at the stadium road with State Street (9200 South) to aid in the safe crossing of Rio Tinto Stadium patrons, which provides additional pedestrian opportunities on both the east and west side of State Street and facilitates better and separate pedestrian flow to the TRAX station. In addition, the Stadium has provided easements on the west side of State Street for the placement of the signal poles and related equipment. Rio Tinto Stadium signed over the easements necessary for UDOT to construct the pedestrian signal.

It is our understanding that the pedestrian signal has made a very positive impact on the foot traffic before and after events held at Rio Tinto stadium. Pedestrians are now confined to a designated area for crossing State Street, which can be completed more efficiently with the signal and with less oversight from the officers.

- i. Include a traffic study presenting traffic counts, times and circulation patterns for a geographic area encompassing all potential off-site parking sites is required by the City Transportation Engineer. If required, the traffic study shall also present the projected impact of the event on existing traffic counts, times and circulation patterns.*

Hales Engineering finalized and submitted a traffic study completed to UDOT and Sandy City standards in 2008.

- j. Identify the methods the applicant will implement, on vacant or unimproved lots, to control the dust and debris.*

The 9000 South parking lot has been fully improved.

- k. Identify any permits or approvals necessary from other transportation agencies with jurisdiction over roads or streets affected by the temporary or permanent traffic control measures identified in criteria g, h and i above.*

Rio Tinto stadium staff works with the Sandy City public services to identify the needs for temporary traffic control / officer enforcement on an as needed basis. Following the identification of these needs, Rio Tinto holds a combined meeting with Sandy City and UDOT officials to discuss the traffic control plans and identify the appropriate permits or approvals necessary for implementation.

Coordination meetings are held with Sandy PD, Engineering and Planning before major events in the stadium.

- l. Specify the date by which the applicant must provide the Planning Commission with evidence of availability of off-site parking spaces, safe pedestrian routes, transportation services, measures to prevent parking in restricted areas, and measures to manage entry and exit times and volumes of pedestrians and vehicles.*

Rio Tinto stadium updates the parking and access management plan before the start of each RSL season (February to March) as the schedule is released. The 2019 RSL schedule is provided in Appendix B, with home games at Rio Tinto Stadium highlighted in yellow.

- m. Indicate the time period for which the parking and access management plan will be in effect.*

The Rio Tinto stadium parking and access management plan will be in effect from March to February each calendar year.

- n. Be updated on a yearly basis or as otherwise required by the Planning Commission after the project or event has commenced operation. The Planning Commission shall hold at least one public meeting prior to the approval of any updated parking and access management plan.*

Rio Tinto stadium will update the parking and access management plan in February of each calendar year for the pending season.

An RSL game schedule for 2019 can be found in Appendix B with home games at Rio Tinto Stadium highlighted in yellow.

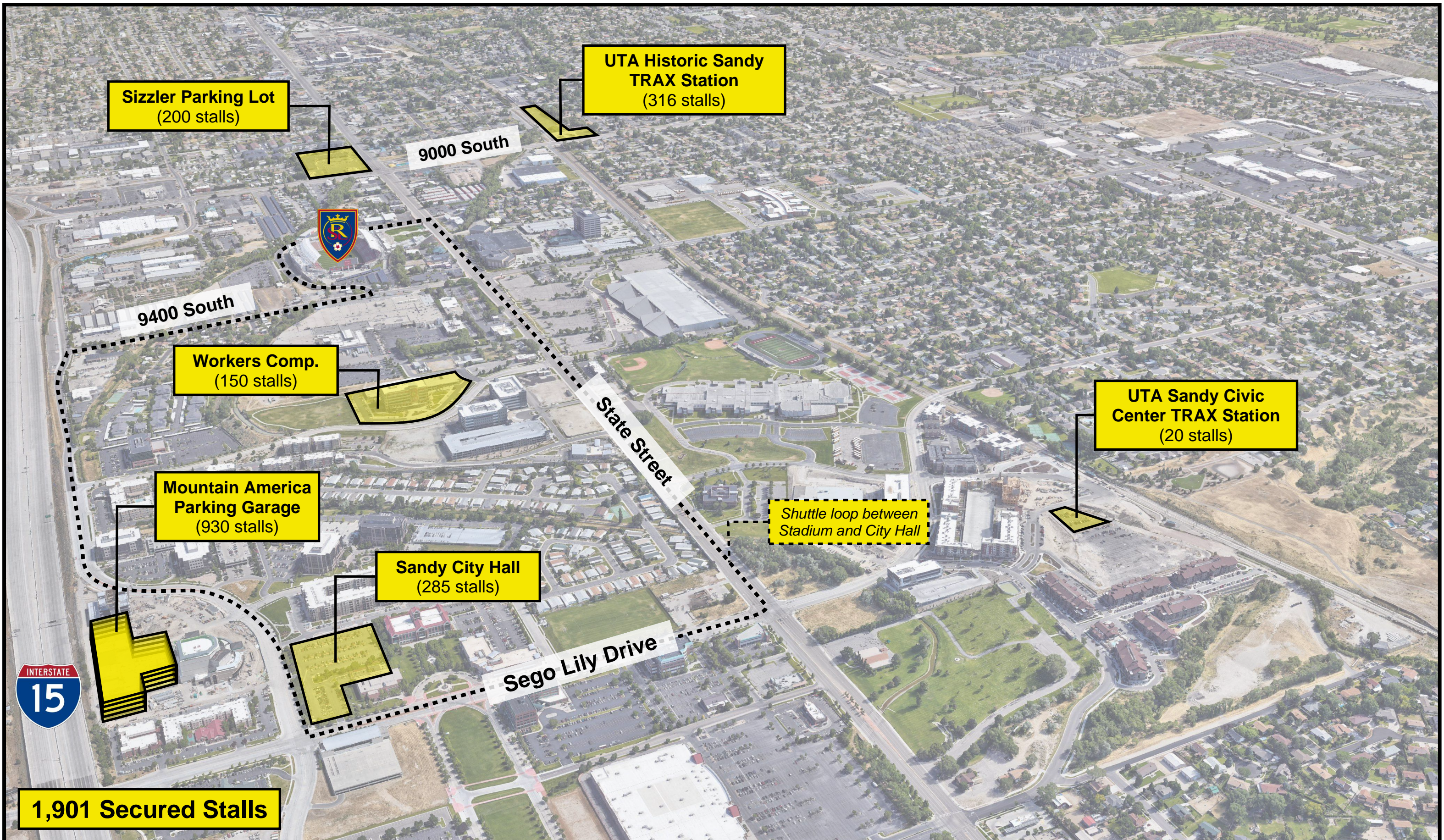
¹ Average attendances at soccer matches during the 2011 season (not including post season, or exhibition matches) were 17,561. The highest attendance recorded in 2010 for a regular soccer game was 20,762 on Sept. 28th, 2011 vs. the Chicago Fire.

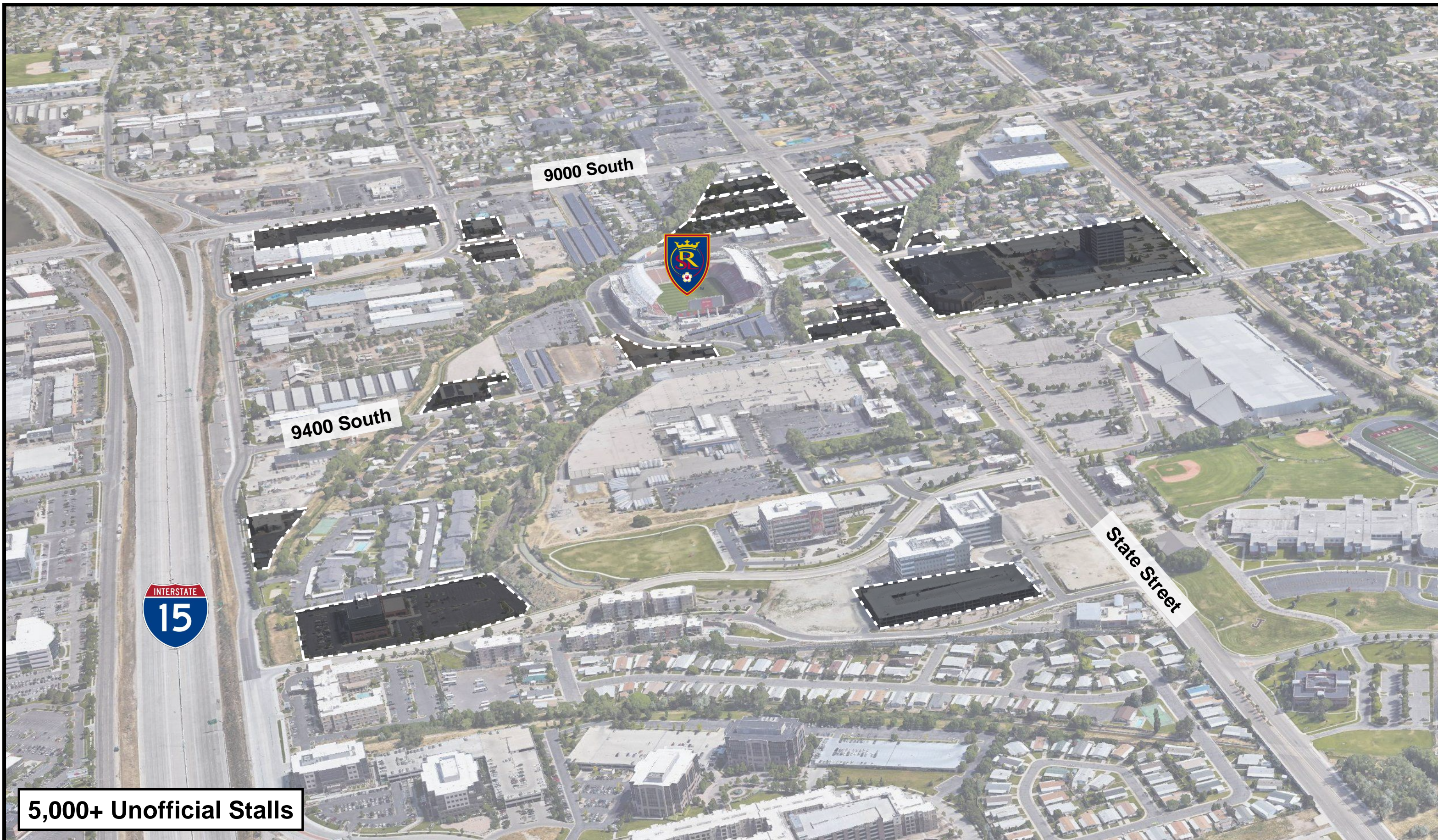
² Mass transit ridership is based on information from UTA for similar events at Energy Solutions Arena, Rice-Eccles Stadium, and Franklin Covey Field.

³ Walking speed for pedestrian's ranges from 4 feet / second for a senior citizen to 7 feet / second for a teenager. The average walking speed of 5.5 feet per second equates to a walking distance of 1,650 feet within a 5-minute walk time, and a walking distance of approximately 5,000 feet within a 15-minute walk time.









Appendix A

Event Signage



Appendix B

2019 RSL Schedule



2019 SCHEDULE



ALL TIMES MOUNTAIN • SCHEDULE SUBJECT TO CHANGE • VISIT RSL.COM FOR UP TO DATE KICKOFFS AND INFORMATION • HOME GAMES AWAY GAMES



SATURDAY
MAR 2 • 4:00 PM
@ HOUSTON DYNAMO



SATURDAY
MAR 9 • 4:00 PM
VS VANCOUVER WHITECAPS FC



SATURDAY
MAR 16 • 6:00 PM
@ D.C. UNITED



SATURDAY
MAR 23 • 8:30 PM
@ LAFC



SATURDAY
MAR 30 • 7:00 PM
VS FC DALLAS



SATURDAY
APR 6 • 8:00 PM
@ SEATTLE SOUNDERS FC



SATURDAY
APR 13 • 7:00 PM
VS ORLANDO CITY SC



FRIDAY
APR 19 • 5:30 PM
@ FC CINCINNATI



SUNDAY
APR 28 • 6:00 PM
@ LA GALAXY



SATURDAY
MAY 4 • 7:00 PM
VS PORTLAND TIMBERS



SATURDAY
MAY 11 • 7:00 PM
@ COLORADO RAPIDS



SATURDAY
MAY 18 • 1:00 PM
VS TORONTO FC



FRIDAY
MAY 24 • 7:00 PM
VS ATLANTA UNITED FC



WEDNESDAY
MAY 29 • 5:30 PM
@ MONTREAL IMPACT



SATURDAY
JUN 1 • 5:00 PM
@ NEW YORK RED BULLS



SATURDAY
JUN 22 • 6:00 PM
@ CHICAGO FIRE



SATURDAY
JUN 29 • 8:00 PM
VS SPORTING KANSAS CITY



WEDNESDAY
JUL 3 • 8:00 PM
VS COLUMBUS CREW SC



SATURDAY
JUL 6 • 8:30 PM
@ SAN JOSE EARTHQUAKES



SATURDAY
JUL 13 • 8:00 PM
VS PHILADELPHIA UNION



SATURDAY
JUL 20 • 8:00 PM
VS MINNESOTA UNITED FC



SATURDAY
JUL 27 • 6:00 PM
@ FC DALLAS



SATURDAY
AUG 3 • 8:00 PM
VS NEW YORK CITY FC



SATURDAY
AUG 10 • 6:30 PM
@ SPORTING KANSAS CITY



WEDNESDAY
AUG 14 • 8:00 PM
VS SEATTLE SOUNDERS FC



SATURDAY
AUG 17 • 8:00 PM
VS LAFC



SATURDAY
AUG 24 • 8:00 PM
VS COLORADO RAPIDS



SATURDAY
AUG 31 • 8:30 PM
@ PORTLAND TIMBERS



WEDNESDAY
SEPT 11 • 7:30 PM
VS SAN JOSE EARTHQUAKES



SUNDAY
SEPT 15 • 3:30 PM
@ MINNESOTA UNITED FC



SATURDAY
SEPT 21 • 5:30 PM
@ NEW ENGLAND REVOLUTION



WEDNESDAY
SEPT 25 • 7:30 PM
VS LA GALAXY



SUNDAY
SEPT 29 • 5:30 PM
VS HOUSTON DYNAMO



SUNDAY
OCT 6 • 2:00 PM
@ VANCOUVER WHITECAPS FC

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