

## TECHNICAL MEMORANDUM #3

Date: August 13, 2019

To: File

From: Tom Gaul, John Gard, and Netai Basu; Fehr & Peers

**Subject: *Vehicle Miles Traveled Analysis for Inglewood Basketball and Entertainment Center***

LA2018-3002

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This memorandum presents the vehicle miles traveled (VMT) analysis for the Inglewood Basketball and Entertainment Center (IBEC). The VMT estimates were prepared for two purposes: (1) VMT analysis for transportation impacts; and (2) total VMT for greenhouse gas and energy analyses.

### **VMT SIGNIFICANCE CRITERIA**

Transportation impacts related to VMT would be considered significant if:

- The office components of the project exceed (i.e., are higher than) a level of 15 percent below existing regional daily work VMT per employee.
- The retail components of the project that are not local serving cause a net increase in daily VMT.
- The hotel component of the project causes a net increase in daily VMT.
- The event component of the project causes a net increase in daily VMT.

### **EVENTS VMT METHODOLOGY**

VMT was estimated for a sold-out basketball game, a sold-out concert, a 14,500-attendee concert, a 9,500-attendee concert, an 8,500-attendee family show, a 2,000-attendee corporate/community event, a 7,500-attendee other event, and a 4,000-attendee plaza event. The analysis included estimates for events at IBEC as well as for similar existing events venues elsewhere in the region which could potentially move to IBEC.

The VMT estimates include vehicle trips by private attendee vehicles, transportation network companies (TNCs) (e.g., Uber, Lyft), employees, shuttles, and miscellaneous.

For events at IBEC, mode splits and average vehicle occupancy (AVO) were from the separate IBEC Project Travel Demand Estimates Memorandum<sup>1</sup> (Project Travel Demand Memo). VMT estimates were developed for weekdays and weekends. Weekend estimates included a higher percentage of transit users, which required more shuttle trips and fewer attendee vehicle trips. No shuttles to rail transit were assumed for smaller concerts, family shows, corporate/community events, other events, and plaza events, so rail transit mode split was assumed to be zero for those events. No additional transit mode split benefit was assumed from the proposed Inglewood Transit Connector (ITC).

A sold-out NBA basketball game at Staples Center was assumed to have 19,079 attendees. This figure was obtained from an internet search of Staples Center capacity.<sup>2</sup> A sold-out concert at a similar-sized concert venue elsewhere in the region was assumed to have 17,500 attendees (based on sell-out capacities of 17,500 for The Forum and the Hollywood Bowl and up to 20,000 for Staples Center). For existing events elsewhere in the region, mode splits from the Clippers fan survey at Staples Center were assumed for all event types (basketball games, concerts, etc.). For the purpose of estimating net increases in VMT, this is a conservative assumption due to higher transit mode splits in downtown Los Angeles.

Vehicle trip length data for attendee trips was determined from mobile source data obtained from Teralytics. Average attendee vehicle trip lengths for basketball games were derived from origin/destination data for games at Staples Center and are 18.7 miles for basketball games at Staples Center and 22.2 miles for basketball games at IBEC, conservatively assuming no shift in fan base. Average attendee vehicle trip lengths for concerts were derived from origin/destination data for concerts at The Forum and are 18.6 miles for concerts at venues elsewhere in the region (based on Staples Center) and 20.3 miles for concerts at IBEC. Average attendee vehicle trip lengths for concerts were also used for family shows, community/corporate events, other events, and plaza events.

Trip lengths for the deadhead (non-revenue) portion of transportation network company (TNC) trips were assumed to be equal to the passenger (revenue) length. The distribution of TNC trips was based on Teralytics data, consistent with private vehicle trips.

Vehicle trip lengths for employee trips were obtained from the Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy

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<sup>1</sup> Fehr & Peers, *Technical Memorandum #2, Project Travel Demand Estimates for Inglewood Basketball and Entertainment Center*, August 13, 2019.

<sup>2</sup> <https://www.staplescenter.com/guest-services/a-z>, accessed May 9, 2019.

(RTP/SCS) regional travel demand model for the traffic analysis zone (TAZ) in which the venue (IBEC or Staples Center) is located.

The number of concerts, family shows, and other events that are assumed to be new to market versus transferred from elsewhere in the region was obtained from p. 5 and p. 32 of Stone Planning's *Inglewood Basketball and Entertainment Center - Analysis of Future Events*<sup>3</sup>: 23 concerts, of which 20% or 5 would be new to market; 20 family shows of which 20% or 4 would be new to market; and 35 other events of which 59% or 21 would be new to market. The 59% new to market for other events from the Stone Planning report was also conservatively used for corporate/community events (conservative since many of these are likely to be existing events that move from other venues in the west side of Los Angeles). All plaza events, however, were assumed to be new events at IBEC.

#### **ANCILLARY USES VMT METHODOLOGY**

Vehicle trip generation estimates for the ancillary land uses from the Project Travel Demand Memo were used for non-event days.

The trips were divided into trip types (home-based work [HBW] attractions, home-based other [HBO] attractions, non-home-based [NHB] attractions, and non-home-based productions) using trip type splits from NCHRP Report 365.<sup>4</sup> Vehicle trip lengths by trip type were obtained from the Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Community Strategy (RTP/SCS) regional travel demand model for the TAZ in which IBEC is located: 13.4 miles for HBW attractions, 9.3 miles for HBO attractions, 7.5 miles for NHB attractions, and 5.9 miles for NHB productions.

For the purpose of estimating net increases in VMT, VMT was also estimated for the existing Clippers offices in downtown LA (200 employees) and the existing practice facility in Playa Vista (54 employees). Vehicle trip lengths were obtained for the TAZs in which the existing Clippers offices and practice facility are located. VMT was also estimated for the existing fast food, manufacturing, and hotel uses on the IBEC site.

On days with events occurring in the IBEC, trip generation and VMT was reduced for the ancillary retail/restaurant uses due to anticipated internalization with event attendees.

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<sup>3</sup> Stone Planning, *Inglewood Basketball and Entertainment Center - Analysis of Future Events*, July 2019.

<sup>4</sup> Transportation Research Board, *National Cooperative Highway Research Program Report 365, Travel Estimation Techniques for Urban Planning*, 1998.

## **VMT IMPACT EVALUATION**

Table 1 displays the estimated net change in daily VMT generated by each analyzed event type at the IBEC, for new events and for events transferred from other venues in the region. In each case, a net increase in daily VMT is estimated, constituting a significant VMT impact for events.

Table 2 presents the VMT impact analysis for the ancillary land uses. The office, practice facility, and sports medicine clinic would not have a significant VMT impact as the daily work VMT per employee is estimated at 15.0, less than the 15.8 threshold (15% less than the regional daily work VMT value of 18.6<sup>5</sup>). The retail use would have a significant VMT impact as it is considered to be regional-serving (a team store not catering to the local area) and it would generate a net increase in daily VMT. The restaurant uses could be viewed as both local- and regional-serving in that they would attract local patronage on non-event days and regional patronage associated with the event on event days. Since the regional patronage associated with events is considered as part of the event VMT impacts, the restaurant uses by themselves are not considered to have a significant additional VMT impact. The hotel would have a significant VMT impact as it would generate a net increase in daily VMT over the existing hotel on the IBEC site.

## **ANNUALIZATION**

The event and daily ancillary land use VMT estimates were annualized using data from the IBEC project description regarding the number of the various event types anticipated per year.

Basketball games, family shows, corporate/community events, other events, and plaza events were assumed to occur proportionally on any day of the week. Concerts were assumed to occur primarily on Friday and Saturday nights.

Table 3 presents the estimated annualized net new VMT generated by the IBEC project. As indicated in the table, considering each of the analyzed event types and the potential for some events to be new but for others to be transferred from other venues in the region, a net annual increase of approximately 30.6 million VMT is estimated.

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<sup>5</sup> Source: SCAG 2016 RTP/SCS regional travel demand model, as run by Fehr & Peers, April 2019.

**TABLE 1**  
**VMT IMPACT ANALYSIS - EVENTS**

Event	Size (Maximum)	Weekday Event New Daily VMT	Weekday Event Existing Daily VMT	Weekday Event Net Change in Daily VMT	Weekend Event New Daily VMT	Weekend Event Existing Daily VMT	Weekend Event Net Change in Daily VMT	Threshold	Exceeds Threshold on Weekdays	Exceeds Threshold on Weekend Days
Regular Season Basketball Game transferred from Staples to IBEC	18,000 attendees	398,447	309,600	88,847	394,985	315,882	79,103	Any increase in daily VMT	Yes	Yes
Pre-Season Basketball Game transferred from Staples to IBEC	18,000 attendees	398,447	309,600	88,847	394,985	315,882	79,103	Any increase in daily VMT	Yes	Yes
New Pre-Season Basketball Game		398,447	0	398,447	394,985	0	394,985	Any increase in daily VMT	Yes	Yes
Post- Season Basketball Game transferred from Staples to IBEC	18,000 attendees	398,447	309,600	88,847	394,985	315,882	79,103	Any increase in daily VMT	Yes	Yes
New Sold Out Attendee Concert at IBEC	18,500 attendees	389,598	0	389,598	386,237	0	386,237	Any increase in daily VMT	Yes	Yes
Existing Sold Out Concert transferred from region to IBEC		389,598	291,277	98,321	386,237	297,229	89,008	Any increase in daily VMT	Yes	Yes
New 14,500 Attendee Medium Concert at IBEC	14,500 attendees	315,280	0	315,280	315,280	0	315,280	Any increase in daily VMT	Yes	Yes
Existing 14,500 Attendee Concert transferred from region to IBEC		315,280	238,837	76,443	315,280	243,747	71,533	Any increase in daily VMT	Yes	Yes
New 9,500 Attendee Small Concert at IBEC	9,500 attendees	207,698	0	207,698	207,698	0	207,698	Any increase in daily VMT	Yes	Yes
Existing 9,500 Attendee Concert transferred from region to IBEC		207,698	157,681	50,017	207,698	160,881	46,817	Any increase in daily VMT	Yes	Yes
New Family Show at IBEC	8,500 attendees	185,119	0	185,119	185,119	0	185,119	Any increase in daily VMT	Yes	Yes
Existing Family Show transferred from region to IBEC		185,119	140,118	45,001	185,119	143,020	42,099	Any increase in daily VMT	Yes	Yes
New Corporate/Community Event to IBEC	2,000 attendees	68,645	0	68,645	68,645	0	68,645	Any increase in daily VMT	Yes	Yes
Existing Corporate/Community Event transferred from region to IBEC		68,645	53,950	14,695	68,645	54,618	14,027	Any increase in daily VMT	Yes	Yes
New Other Event at IBEC	7,500 attendees	163,209	0	163,209	163,209	0	163,209	Any increase in daily VMT	Yes	Yes
Existing Other Event transferred from region to IBEC		163,209	123,928	39,281	163,209	126,532	36,677	Any increase in daily VMT	Yes	Yes
New Plaza Event at IBEC	4,000 attendees	82,125	0	82,125	82,125	0	82,125	Any increase in daily VMT	Yes	Yes

**TABLE 2**  
**VMT IMPACT ANALYSIS - ANCILLARY LAND USES**

Land Use	Size	Use	Trip Type	Employees	Daily Work VMT	Daily Work VMT Per Employee	Threshold	Exceed Threshold
Office	71 ksf	Office	Commute	275	3,095			
Practice Facility	54 employees	Practice	Commute	54	1,447			
Sports Medicine Clinic	25 ksf	Medical	Commute	50	1,152			
<b>Total</b>				379	5,694	15.0	Work VMT/employee > 15.8 (85% of regional average 18.6 work VMT/employee)	No

Land Use	Size	Use	Trip Type	Daily VMT	Threshold	Exceed Threshold
Regional-Serving Retail	24 ksf	Retail	All	6,998	Any increase in VMT	Yes
<b>Local-Serving Uses</b>						
Full-Service Restaurant/Lounge	15 ksf	Retail	All	9,171		
Quick-Service Restaurant	4 ksf	Retail	All	5,113		
Coffee Shop	5 ksf	Retail	All	3,641		
Community Space	15 ksf	Recreation	All	2,794		
Total Local-Serving Uses	39 ksf			20,719		
Existing Fast Food Restaurant	1.118 ksf	Retail	All	(2,247)		
Local-Serving Net Increase				18,472	Local-serving uses (<50 ksf) exempt	No
<b>Hotel</b>						
Business Hotel	150 rooms	Hotel	All	5,144		
Existing Motel	38 rooms	Hotel	All	(1,087)		
Hotel Net Increase				4,057		

**TABLE 3  
ANNUAL NET NEW VMT**

Event	Weekday Net Change in Daily VMT	Weekend Net Change in Daily VMT	Number of Weekday Events Per Year	Number of Weekend Events Per Year	Annual Weekday VMT	Annual Weekend VMT
Regular Season Basketball Game transferred from Staples to IBEC	88,847	79,103	29	12	2,576,563	949,236
Pre-Season Basketball Game transferred from Staples to IBEC	88,847	79,103	2	1	177,694	79,103
New Pre-Season Basketball Game	398,447	394,985	2	0	796,894	0
Post-Season Basketball Game transferred from Staples to IBEC	88,847	79,103	2	1	177,694	79,103
New Sold Out Attendee Concert at IBEC	389,598	386,237	0	1	0	386,237
Existing Sold Out Concert transferred from region to IBEC	98,321	89,008	2	2	196,642	178,016
New 14,500 Attendee Medium Concert at IBEC	315,280	315,280	1	1	315,280	315,280
Existing 14,500 Attendee Medium Concert transferred from region to IBEC	76,443	71,533	3	3	229,329	214,599
New 9,500 Attendee Small Concert at IBEC	207,698	207,698	1	1	207,698	207,698
Existing 9,500 Attendee Small Concert transferred from region to IBEC	50,017	46,817	4	4	200,068	187,268
New Family Show at IBEC	185,119	185,119	3	1	555,357	185,119
Existing Family Show transferred from region to IBEC	45,001	42,099	11	5	495,011	210,495
New Corporate/Community Event to IBEC	68,645	68,645	42	17	2,883,090	1,166,965
Existing Corporate/Community Event transferred from region to IBEC	14,695	14,027	29	12	426,155	168,324
New Other Event at IBEC	163,209	163,209	15	6	2,448,135	979,254
Existing Other Event transferred from region to IBEC	39,281	36,677	10	4	392,810	146,708
New Plaza Event at IBEC	82,125	82,125	11	5	903,375	410,625
Ancillary Uses (Day with Basketball or Sold Out Attendee Concert)	28,394	24,010	37	17	1,050,578	408,170
Ancillary Uses (Day with 14,500 Attendee Medium Concert, 9,500 Attendee Small Concert, Family Show or Other Event)	31,326	27,022	48	25	1,503,648	675,550
Ancillary Uses (Day with Corporate/Community Event or Plaza Event)	34,245	30,082	82	34	2,808,090	1,022,788
Ancillary Uses (Non-Event Day)	35,684	31,578	94	28	3,354,296	884,184
<b>Total Annual VMT</b>					<b>21,698,407</b>	<b>8,854,722</b>
<b>Grand Total Annual VMT</b>					<b>30,553,129</b>	

## **ATTACHMENTS**



**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Sold-Out Basketball Game</b>									
Regular Season Basketball Game	New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendee Vehicles	15,120	2.27	13,322	22.2	295,748	398,447	
		Attendee TNC Vehicles	1,800	2.27	1,586	22.2	35,209		
		Employee Vehicles	1,228	1.18	2,082	13.4	27,899		
		Employee TNC Vehicles	26	1.18	44	13.4	590		
		Attendee Shuttles	900	36.00	100	4.5	450		
		Employee Shuttles	66	17.00	16	4.5	72		
		Miscellaneous Vehicles	100	1.00	200	13.4	2,680		
	Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)	Attendee Vehicles	15,645	2.27	13,784	18.7	257,761	309,600	
		Attendee TNC Vehicles	572	2.27	504	18.7	9,425		
		Employee Vehicles	1,136	1.18	1,926	14.9	28,697		
		Employee TNC Vehicles	26	1.18	44	14.9	656		
		Miscellaneous Vehicles	100	1.00	200	14.9	2,980		
	Net New								88,847
	Pre-Season Basketball Game	New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendee Vehicles	15,120	2.27	13,322	22.2	295,748	398,447
Attendee TNC Vehicles			1,800	2.27	1,586	22.2	35,209		
Employee Vehicles			1,228	1.18	2,082	13.4	27,899		
Employee TNC Vehicles			26	1.18	44	13.4	590		
Attendee Shuttles			900	36.00	100	4.5	450		
Employee Shuttles			66	17.00	16	4.5	72		
Miscellaneous Vehicles			100	1.00	200	13.4	2,680		
Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)		Attendee Vehicles	15,645	2.27	13,784	18.7	257,761	309,600	
		Attendee TNC Vehicles	572	2.27	504	18.7	9,425		
		Employee Vehicles	1,136	1.18	1,926	14.9	28,697		
		Employee TNC Vehicles	26	1.18	44	14.9	656		
		Miscellaneous Vehicles	100	1.00	200	14.9	2,980		
Net New								88,847	
Post-Season Basketball Game		New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendee Vehicles	15,120	2.27	13,322	22.2	295,748	398,447
	Attendee TNC Vehicles		1,800	2.27	1,586	22.2	35,209		
	Employee Vehicles		1,228	1.18	2,082	13.4	27,899		
	Employee TNC Vehicles		26	1.18	44	13.4	590		
	Attendee Shuttles		900	36.00	100	4.5	450		
	Employee Shuttles		66	17.00	16	4.5	72		
	Miscellaneous Vehicles		100	1.00	200	13.4	2,680		
	Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)	Attendee Vehicles	15,645	2.27	13,784	18.7	257,761	309,600	
		Attendee TNC Vehicles	572	2.27	504	18.7	9,425		
		Employee Vehicles	1,136	1.18	1,926	14.9	28,697		
		Employee TNC Vehicles	26	1.18	44	14.9	656		
		Miscellaneous Vehicles	100	1.00	200	14.9	2,980		
	Net New								88,847

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Sold-Out Basketball Game</b>									
Regular Season Basketball Game	New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendees	14,940	2.27	13,162	22.2	292,196	394,985	
		Attendee TNC	1,800	2.27	1,586	22.2	35,209		
		Employees	1,228	1.18	2,082	13.4	27,899		
		Employee TNC	26	1.18	44	13.4	590		
		Attendee Shuttle	1,080	36.00	120	4.5	540		
		Employee Shuttle	66	17.00	16	4.5	72		
		Miscellaneous	100	1.00	200	13.4	2,680		
	Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)	Attendees	15,645	2.27	13,784	18.7	257,761	315,882	
		Attendee TNC	763	2.27	672	18.7	12,566		
		Employees	1,136	1.18	1,926	14.9	28,697		
		Employee TNC	26	1.18	44	14.9	656		
		Miscellaneous	100	1.00	200	14.9	2,980		
	Net New								79,103
	Pre-Season Basketball Game	New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendees	14,940	2.27	13,162	22.2	292,196	394,985
Attendee TNC			1,800	2.27	1,586	22.2	35,209		
Employees			1,228	1.18	2,082	13.4	27,899		
Employee TNC			26	1.18	44	13.4	590		
Attendee Shuttle			1,080	36.00	120	4.5	540		
Employee Shuttle			66	17.00	16	4.5	72		
Miscellaneous			100	1.00	200	13.4	2,680		
Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)		Attendees	15,645	2.27	13,784	18.7	257,761	315,882	
		Attendee TNC	763	2.27	672	18.7	12,566		
		Employees	1,136	1.18	1,926	14.9	28,697		
		Employee TNC	26	1.18	44	14.9	656		
		Miscellaneous	100	1.00	200	14.9	2,980		
Net New								79,103	
Post-Season Basketball Game		New Sold-Out Basketball Game at IBEC (18,000 attendees)	Attendees	14,940	2.27	13,162	22.2	292,196	394,985
	Attendee TNC		1,800	2.27	1,586	22.2	35,209		
	Employees		1,228	1.18	2,082	13.4	27,899		
	Employee TNC		26	1.18	44	13.4	590		
	Attendee Shuttle		1,080	36.00	120	4.5	540		
	Employee Shuttle		66	17.00	16	4.5	72		
	Miscellaneous		100	1.00	200	13.4	2,680		
	Existing Sold-Out Basketball Game at Staples Center (19,079 capacity)	Attendees	15,645	2.27	13,784	18.7	257,761	315,882	
		Attendee TNC	763	2.27	672	18.7	12,566		
		Employees	1,136	1.18	1,926	14.9	28,697		
		Employee TNC	26	1.18	44	14.9	656		
		Miscellaneous	100	1.00	200	14.9	2,980		
	Net New								79,103

**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event			
<b>Sold-Out Concert</b>											
New Sold Out Concert	New Sold-Out Concert at IBEC (18,500 attendees)	Attendee Vehicles	15,725	2.18	14,426	20.3	292,848	389,598			
		Attendee TNC Vehicles	1,850	2.18	1,698	20.3	34,469				
		Employee Vehicles	1,042	1.18	1,766	13.4	23,664				
		Employee TNC Vehicles	22	1.18	38	13.4	509				
		Attendee Shuttles	740	36.00	84	4.5	378				
		Employee Shuttles	56	14.00	16	4.5	72				
		Miscellaneous Vehicles	100	1.00	200	13.4	2,680				
		Attendee Vehicles	15,725	2.18	14,426	20.3	292,848		389,598		
Attendee TNC Vehicles	1,850	2.18	1,698	20.3	34,469						
Employee Vehicles	1,042	1.18	1,766	13.4	23,664						
Employee TNC Vehicles	22	1.18	38	13.4	509						
Attendee Shuttles	740	36.00	84	4.5	378						
Employee Shuttles	56	14.00	16	4.5	72						
Miscellaneous Vehicles	100	1.00	200	13.4	2,680						
Existing Sold-Out Concert Transferred from Region	Existing Sold-Out Concert Elsewhere in Region (17,500 capacity)	Attendee Vehicles	14,350	2.18	13,166	18.6	244,888	291,277			
		Attendee TNC Vehicles	525	2.18	482	18.6	8,965				
		Employee Vehicles	964	1.18	1,634	14.9	24,347				
		Employee TNC Vehicles	22	1.18	38	14.9	566				
		Miscellaneous Vehicles	100	1.00	200	14.9	2,980				
		Net New								98,321	

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event			
<b>Sold-Out Concert</b>											
New Sold Out Concert	New Sold-Out Concert at IBEC (18,500 attendees)	Attendees	15,540	2.18	14,256	20.3	289,397	386,237			
		Attendee TNC	1,850	2.18	1,698	20.3	34,469				
		Employees	1,042	1.18	1,766	13.4	23,664				
		Employee TNC	22	1.18	38	13.4	509				
		Attendee Shuttle	925	36.00	104	4.5	468				
		Employee Shuttle	56	14.00	16	4.5	72				
		Miscellaneous	100	1.00	200	13.4	2,680				
		Existing Sold-Out Concert Transferred from Region	Existing Sold-Out Concert Elsewhere in Region (17,500 capacity)	Attendees	14,350	2.18	13,166		18.6	244,888	297,229
Attendee TNC	700			2.18	642	18.6	11,941				
Employees	964			1.18	1,634	14.9	24,347				
Employee TNC	22			1.18	38	14.9	566				
Miscellaneous	100			1.00	200	14.9	2,980				
Net New								89,008			





**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Family Show (8,500 Attendees)</b>									
New Family Show	New Family Show at IBEC	Attendee Vehicles	7,565	2.18	6,940	20.3	140,882	185,119	
		Attendee TNC Vehicles	850	2.18	780	20.3	15,834		
			-	-	780	20.3	15,834		
		Employee Vehicles	514	1.18	872	13.4	11,685		
		Employee TNC Vehicles	11	1.18	18	13.4	241		
		Miscellaneous Vehicles	-	-	18	13.4	241		
		Miscellaneous Vehicles	15	1.00	30	13.4	402		
Existing Family Show Transferred from Region	New Family Show at IBEC	Attendee Vehicles	7,565	2.18	6,940	20.3	140,882	185,119	
		Attendee TNC Vehicles	850	2.18	780	20.3	15,834		
			-	-	780	20.3	15,834		
		Employee Vehicles	514	1.18	872	13.4	11,685		
		Employee TNC Vehicles	11	1.18	18	13.4	241		
		Miscellaneous Vehicles	-	-	18	13.4	241		
			Miscellaneous Vehicles	15	1.00	30	13.4	402	
	Existing Family Show Elsewhere in Region		Attendee Vehicles	6,970	2.18	6,394	18.6	118,928	140,118
			Attendee TNC Vehicles	255	2.18	234	18.6	4,352	
				-	-	234	18.6	4,352	
			Employee Vehicles	455	1.18	772	14.9	11,503	
			Employee TNC Vehicles	11	1.18	18	14.9	268	
Miscellaneous Vehicles			-	-	18	14.9	268		
		Miscellaneous Vehicles	15	1.00	30	14.9	447		
Net New								45,001	

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Family Show (8,500 Attendees)</b>									
New Family Show	New Family Show at IBEC	Attendees	7,565	2.18	6,940	20.3	140,882	185,119	
		Attendee TNC	850	2.18	780	20.3	15,834		
			-	-	780	20.3	15,834		
		Employees	514	1.18	872	13.4	11,685		
		Employee TNC	11	1.18	18	13.4	241		
		Miscellaneous	-	-	18	13.4	241		
		Miscellaneous	15	1.00	30	13.4	402		
Existing Family Show Transferred from Region	New Family Show at IBEC	Attendees	7,565	2.18	6,940	20.3	140,882	185,119	
		Attendee TNC	850	2.18	780	20.3	15,834		
			-	-	780	20.3	15,834		
		Employees	514	1.18	872	13.4	11,685		
		Employee TNC	11	1.18	18	13.4	241		
		Miscellaneous	-	-	18	13.4	241		
			Miscellaneous	15	1.00	30	13.4	402	
	Existing Family Show Elsewhere in Region		Attendees	6,970	2.18	6,394	18.6	118,928	143,020
			Attendee TNC	340	2.18	312	18.6	5,803	
				-	-	312	18.6	5,803	
			Employees	455	1.18	772	14.9	11,503	
			Employee TNC	11	1.18	18	14.9	268	
Miscellaneous			-	-	18	14.9	268		
		Miscellaneous	15	1.00	30	14.9	447		
Net New								42,099	

**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event
<b>Corporate/Community Event (2,000 Attendees)</b>								
New Corporate/Community Event	New Corporate/Community Event at IBEC	Attendee Vehicles	1,780	1.20	2,966	20.3	60,210	68,645
		Attendee TNC Vehicles	200	2.18	184	20.3	3,735	
		Employee Vehicles	23	1.18	38	13.4	509	
		Employee TNC Vehicles	1	1.18	2	13.4	27	
		Miscellaneous Vehicles	15	1.00	30	13.4	402	
Existing Corporate/Community Event Transferred from Region	New Corporate/Community Event at IBEC	Attendee Vehicles	1,780	1.20	2,966	20.3	60,210	68,645
		Attendee TNC Vehicles	200	2.18	184	20.3	3,735	
		Employee Vehicles	23	1.18	38	13.4	509	
		Employee TNC Vehicles	1	1.18	2	13.4	27	
		Miscellaneous Vehicles	15	1.00	30	13.4	402	
	Existing Corporate/Community Event Elsewhere in Region	Attendee Vehicles	1,640	1.20	2,734	18.6	50,852	53,950
		Attendee TNC Vehicles	60	2.18	56	18.6	1,042	
		Employee Vehicles	20	1.18	34	14.9	507	
		Employee TNC Vehicles	1	1.18	2	14.9	30	
		Miscellaneous Vehicles	15	1.00	30	14.9	447	
Net New								14,695

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event
<b>Corporate/Community Event (2,000 Attendees)</b>								
New Corporate/Community Event	New Corporate/Community Event at IBEC	Attendees	1,780	1.20	2,966	20.3	60,210	68,645
		Attendee TNC	200	2.18	184	20.3	3,735	
		Employees	23	1.18	38	13.4	509	
		Employee TNC	1	1.18	2	13.4	27	
		Miscellaneous	15	1.00	30	13.4	402	
Existing Corporate/Community Event Transferred from Region	New Corporate/Community Event at IBEC	Attendees	1,780	1.20	2,966	20.3	60,210	68,645
		Attendee TNC	200	2.18	184	20.3	3,735	
		Employees	23	1.18	38	13.4	509	
		Employee TNC	1	1.18	2	13.4	27	
		Miscellaneous	15	1.00	30	13.4	402	
	Existing Corporate/Community Event Elsewhere in Region	Attendees	1,640	1.20	2,734	18.6	50,852	54,618
		Attendee TNC	80	2.18	74	18.6	1,376	
		Employees	20	1.18	34	14.9	507	
		Employee TNC	1	1.18	2	14.9	30	
		Miscellaneous	15	1.00	30	14.9	447	
Net New								14,027

**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Other Events (7,500 Attendees)</b>									
New Other Event	New Other Event at IBEC	Attendee Vehicles	6,675	2.18	6,124	20.3	124,317	163,209	
		Attendee TNC Vehicles	750	2.18	688	20.3	13,966		
			-	-	688	20.3	13,966		
		Employee Vehicles	446	1.18	756	13.4	10,130		
		Employee TNC Vehicles	10	1.18	16	13.4	214		
		Miscellaneous Vehicles	-	-	16	13.4	214		
		Miscellaneous Vehicles	15	1.00	30	13.4	402		
Existing Other Event Transferred from Region	New Other Event at IBEC	Attendee Vehicles	6,675	2.18	6,124	20.3	124,317	163,209	
		Attendee TNC Vehicles	750	2.18	688	20.3	13,966		
			-	-	688	20.3	13,966		
		Employee Vehicles	446	1.18	756	13.4	10,130		
		Employee TNC Vehicles	10	1.18	16	13.4	214		
		Miscellaneous Vehicles	-	-	16	13.4	214		
			Miscellaneous Vehicles	15	1.00	30	13.4	402	
	Existing Other Event Elsewhere in Region		Attendee Vehicles	6,150	2.18	5,642	18.6	104,941	123,928
			Attendee TNC Vehicles	225	2.18	206	18.6	3,832	
				-	-	206	18.6	3,832	
			Employee Vehicles	412	1.18	698	14.9	10,400	
			Employee TNC Vehicles	10	1.18	16	14.9	238	
Miscellaneous Vehicles			-	-	16	14.9	238		
		Miscellaneous Vehicles	15	1.00	30	14.9	447		
Net New								39,281	

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event	
<b>Other Events (7,500 Attendees)</b>									
New Other Event	New Other Event at IBEC	Attendees	6,675	2.18	6,124	20.3	124,317	163,209	
		Attendee TNC	750	2.18	688	20.3	13,966		
			-	-	688	20.3	13,966		
		Employees	446	1.18	756	13.4	10,130		
		Employee TNC	10	1.18	16	13.4	214		
		Miscellaneous	-	-	16	13.4	214		
		Miscellaneous	15	1.00	30	13.4	402		
Existing Other Event Transferred from Region	New Other Event at IBEC	Attendees	6,675	2.18	6,124	20.3	124,317	163,209	
		Attendee TNC	750	2.18	688	20.3	13,966		
			-	-	688	20.3	13,966		
		Employees	446	1.18	756	13.4	10,130		
		Employee TNC	10	1.18	16	13.4	214		
		Miscellaneous	-	-	16	13.4	214		
			Miscellaneous	15	1.00	30	13.4	402	
	Existing Other Event Elsewhere in Region		Attendees	6,150	2.18	5,642	18.6	104,941	126,532
			Attendee TNC	300	2.18	276	18.6	5,134	
				-	-	276	18.6	5,134	
			Employees	412	1.18	698	14.9	10,400	
			Employee TNC	10	1.18	16	14.9	238	
Miscellaneous			-	-	16	14.9	238		
		Miscellaneous	15	1.00	30	14.9	447		
Net New								36,677	

**ATTACHMENT A-1  
WEEKDAY VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event
<b>Plaza Events (4,000 Attendees)</b>								
New Plaza Event	New Plaza Event at IBEC	Attendee Vehicles	3,560	2.18	3,266	20.3	66,300	82,125
		Attendee TNC Vehicles	400	2.18	366	20.3	7,430	
			-	-	366	20.3	7,430	
		Employee Vehicles	23	1.18	38	13.4	509	
		Employee TNC Vehicles	1	1.18	2	13.4	27	
			-	-	2	13.4	27	
		Attendee Shuttles	-	-				
		Employee Shuttles						
Miscellaneous Vehicles	15	1.00	30	13.4	402			

**ATTACHMENT A-2  
WEEKEND VMT ESTIMATES - EVENTS**

Event	Event Component	Trip Type	Persons in Vehicles	AVO	Vehicle Trip Generation (x2)	Trip Length	VMT per Event	Total VMT per Event
<b>Plaza Events (4,000 Attendees)</b>								
New Plaza Event	New Plaza Event at IBEC	Attendees	3,560	2.18	3,266	20.3	66,300	82,125
		Attendee TNC	400	2.18	366	20.3	7,430	
			-	-	366	20.3	7,430	
		Employees	23	1.18	38	13.4	509	
		Employee TNC	1	1.18	2	13.4	27	
			-	-	2	13.4	27	
		Attendee Shuttle	-	-				
		Employee Shuttle						
		Miscellaneous	15	1.00	30	13.4	402	



**ATTACHMENT B-1  
WEEKDAY VMT ESTIMATES - ANCILLARY LAND USES**

Event Type	Land Use	Trip Type	Trip %	Trip Generation	Trip Length	Daily VMT	Total Daily VMT	
Weekday with Basketball Game or Sold Out Concert	Office	New Total Vehicles		701	-	-	6,953	
		New HBW Attraction	33%	231	13.4	3,095		
		New HBO Attraction	39%	273	9.3	2,539		
		New NHB Attraction	14%	98	7.5	735		
		New NHB Production	14%	99	5.9	584		
		Existing Total Vehicles		558	-	-		
		Existing HBW Attraction	33%	184	14.9	2,742		
		Existing HBO Attraction	39%	218	9.9	2,158		
		Existing NHB Attraction	14%	78	5.0	390		
		Existing NHB Production	14%	78	10.4	811		
		Net New						852
		Practice Facility	New Total Vehicles		108	-		-
	New HBW Attraction		100%	108	13.4	1,447		
	New HBO Attraction		0%	0	9.3	0		
	New NHB Attraction		0%	0	7.5	0		
	New NHB Production		0%	0	5.9	0		
	Existing Total Vehicles			108	-	-		
	Existing HBW Attraction		100%	108	15.0	1,620		
	Existing HBO Attraction		0%	0	10.1	0		
	Existing NHB Attraction		0%	0	6.0	0		
	Existing NHB Production		0%	0	6.2	0		
	Net New						-173	
	Sports Medicine Clinic		Total Vehicles		861	-	-	7,734
		HBW Attraction	10%	86	13.4	1,152		
		HBO Attraction	62%	534	9.3	4,966		
		NHB Attraction	14%	121	7.5	908		
		NHB Production	14%	120	5.9	708		
	Retail	Total Vehicles		574	-	-	5,153	
HBW Attraction		10%	57	13.4	764			
HBO Attraction		62%	356	9.3	3,311			
NHB Attraction		14%	80	7.5	600			
NHB Production		14%	81	5.9	478			
Full-service Restaurant/Lounge	Total Vehicles		753	-	-	6,761		
	HBW Attraction	10%	75	13.4	1,005			
	HBO Attraction	62%	467	9.3	4,343			
	NHB Attraction	14%	105	7.5	788			
	NHB Production	14%	106	5.9	625			
Quick-Service Restaurant	Total Vehicles		419	-	-	3,766		
	HBW Attraction	10%	42	13.4	563			
	HBO Attraction	62%	260	9.3	2,418			
	NHB Attraction	14%	59	7.5	443			
	NHB Production	14%	58	5.9	342			
	Existing Total Vehicles		250	-	-			
	Existing HBW Attraction	10%	25	13.4	335			
	Existing HBO Attraction	62%	155	9.3	1,442			
	Existing NHB Attraction	14%	35	7.5	263			
	Existing NHB Production	14%	35	5.9	207			
Net New					1,519			
Coffee Shop	Total Vehicles		298	-	-	2,680		
	HBW Attraction	10%	30	13.4	402			
	HBO Attraction	62%	185	9.3	1,721			
	NHB Attraction	14%	42	7.5	315			
	NHB Production	14%	41	5.9	242			
Community Space	Total Vehicles		230	-	-	2,067		
	HBW Attraction	10%	23	13.4	308			
	HBO Attraction	62%	143	9.3	1,330			
	NHB Attraction	14%	32	7.5	240			
	NHB Production	14%	32	5.9	189			
Manufacturing	New Total Vehicles		0	-	-	0		
	New HBW Attraction	10%	0	13.4	0			
	New HBO Attraction	62%	0	9.3	0			
	New NHB Attraction	14%	0	7.5	0			
	New NHB Production	14%	0	5.9	0			
	Existing Total Vehicles		251	-	-			
	Existing HBW Attraction	10%	25	13.4	335			
	Existing HBO Attraction	62%	156	9.3	1,451			
	Existing NHB Attraction	14%	35	7.5	263			
	Existing NHB Production	14%	35	5.9	207			
Net New					-2,256			
Business Hotel	New Total Vehicles		573	-	-	5,144		
	New HBW Attraction	10%	57	13.4	764			
	New HBO Attraction	62%	355	9.3	3,302			
	New NHB Attraction	14%	80	7.5	600			
	New NHB Production	14%	81	5.9	478			
	Existing Total Vehicles		121	-	-			
	Existing HBW Attraction	10%	12	13.4	161			
	Existing HBO Attraction	62%	75	9.3	698			
	Existing NHB Attraction	14%	17	7.5	128			
	Existing NHB Production	14%	17	5.9	100			
Net New					4,057			

**ATTACHMENT B-2  
WEEKEND VMT ESTIMATES - ANCILLARY LAND USES**

Event Type	Land Use	Trip Type	Trip %	Total	Trip Length	Daily VMT	Total Daily VMT	
Weekend Day with Basketball Game or Sold Out Concert	Office	New Total Vehicles		144	-	-	1,432	
		New HBW Attraction	33%	48	13.4	643		
		New HBO Attraction	39%	56	9.3	521		
		New NHB Attraction	14%	20	7.5	150		
		New NHB Production	14%	20	5.9	118		
		Existing Total Vehicles		92	-	-		
		Existing HBW Attraction	33%	30	14.9	447		
		Existing HBO Attraction	39%	36	9.9	356		
		Existing NHB Attraction	14%	13	5.0	65		
		Existing NHB Production	14%	13	10.4	135		
		Net New						429
		Practice Facility	New Total Vehicles		108	-		-
	New HBW Attraction		100%	108	13.4	1,447		
	New HBO Attraction		0%	0	9.3	0		
	New NHB Attraction		0%	0	7.5	0		
	New NHB Production		0%	0	5.9	0		
	Existing Total Vehicles			108	-	-		
	Existing HBW Attraction		100%	108	15.0	1,620		
	Existing HBO Attraction		0%	0	10.1	0		
	Existing NHB Attraction		0%	0	6.0	0		
	Existing NHB Production		0%	0	6.2	0		
	Net New						-173	
	Sports Medicine Clinic		Total Vehicles		0	-	-	0
		HBW Attraction	10%	0	13.4	0		
		HBO Attraction	62%	0	9.3	0		
		NHB Attraction	14%	0	7.5	0		
		NHB Production	14%	0	5.9	0		
	Retail	Total Vehicles		702	-	-	6,303	
HBW Attraction		10%	70	13.4	938			
HBO Attraction		62%	435	9.3	4,046			
NHB Attraction		14%	98	7.5	735			
NHB Production		14%	99	5.9	584			
Full-service Restaurant/Lounge	Total Vehicles		809	-	-	7,269		
	HBW Attraction	10%	81	13.4	1,085			
	HBO Attraction	62%	502	9.3	4,669			
	NHB Attraction	14%	113	7.5	848			
	NHB Production	14%	113	5.9	667			
Quick-Service Restaurant	Total Vehicles		423	-	-	3,797		
	HBW Attraction	10%	42	13.4	563			
	HBO Attraction	62%	262	9.3	2,437			
	NHB Attraction	14%	59	7.5	443			
	NHB Production	14%	60	5.9	354			
	Existing Total Vehicles		251	-	-			
	Existing HBW Attraction	10%	25	13.4	335			
	Existing HBO Attraction	62%	156	9.3	1,451			
	Existing NHB Attraction	14%	35	7.5	263			
	Existing NHB Production	14%	35	5.9	207			
Net New					1,541			
Coffee Shop	Total Vehicles		326	-	-	2,932		
	HBW Attraction	10%	33	13.4	442			
	HBO Attraction	62%	202	9.3	1,879			
	NHB Attraction	14%	46	7.5	345			
	NHB Production	14%	45	5.9	266			
Community Space	Total Vehicles		109	-	-	981		
	HBW Attraction	10%	11	13.4	147			
	HBO Attraction	62%	68	9.3	632			
	NHB Attraction	14%	15	7.5	113			
	NHB Production	14%	15	5.9	89			
Manufacturing	New Total Vehicles		0	-	-	0		
	New HBW Attraction	10%	0	13.4	0			
	New HBO Attraction	62%	0	9.3	0			
	New NHB Attraction	14%	0	7.5	0			
	New NHB Production	14%	0	5.9	0			
	Existing Total Vehicles		140	-	-			
	Existing HBW Attraction	10%	14	13.4	188			
	Existing HBO Attraction	62%	87	9.3	809			
	Existing NHB Attraction	14%	20	7.5	150			
	Existing NHB Production	14%	19	5.9	112			
Net New					-1,259			
Business Hotel	New Total Vehicles		826	-	-	7,423		
	New HBW Attraction	10%	83	13.4	1,112			
	New HBO Attraction	62%	512	9.3	4,762			
	New NHB Attraction	14%	116	7.5	870			
	New NHB Production	14%	115	5.9	679			
	Existing Total Vehicles		160	-	-			
	Existing HBW Attraction	10%	16	13.4	214			
	Existing HBO Attraction	62%	99	9.3	921			
	Existing NHB Attraction	14%	22	7.5	165			
	Existing NHB Production	14%	23	5.9	136			
Net New					5,987			

Weekday with Basketball Game or Sold Out Concert

Weekend Day with Basketball Game or Sold Out Concert



**ATTACHMENT B-1  
WEEKDAY VMT ESTIMATES - ANCILLARY LAND USES**

Event Type	Land Use	Trip Type	Trip %	Trip Generation	Trip Length	Daily VMT	Total Daily VMT	
<b>Weekday with Corporate/Community Event or Plaza Event</b>								
Office	New	New Total Vehicles	-	701	-	-	6,953	
		New HBW Attraction	33%	231	13.4	3,095		
		New HBO Attraction	39%	273	9.3	2,539		
		New NHB Attraction	14%	98	7.5	735		
		New NHB Production	14%	99	5.9	584		
		Existing Total Vehicles	-	558	-	-		
	Existing	Existing HBW Attraction	33%	184	14.9	2,742	6,101	
		Existing HBO Attraction	39%	218	9.9	2,158		
		Existing NHB Attraction	14%	78	5.0	390		
		Existing NHB Production	14%	78	10.4	811		
		Net New	-	-	-	-		852
		Practice Facility	New	New Total Vehicles	-	108		-
New HBW Attraction	100%			108	13.4	1,447		
New HBO Attraction	0%			0	9.3	0		
New NHB Attraction	0%			0	7.5	0		
New NHB Production	0%			0	5.9	0		
Existing	Existing Total Vehicles		-	108	-	-	1,620	
	Existing HBW Attraction		100%	108	15.0	1,620		
	Existing HBO Attraction		0%	0	10.1	0		
	Existing NHB Attraction		0%	0	6.0	0		
	Existing NHB Production		0%	0	6.2	0		
Sports Medicine Clinic	Total Vehicles	Total Vehicles	-	861	-	-	7,734	
		HBW Attraction	10%	86	13.4	1,152		
		HBO Attraction	62%	534	9.3	4,966		
		NHB Attraction	14%	121	7.5	908		
Retail	Total Vehicles	Total Vehicles	-	739	-	-	6,638	
		HBW Attraction	10%	74	13.4	992		
		HBO Attraction	62%	458	9.3	4,259		
		NHB Attraction	14%	103	7.5	773		
Full-service Restaurant/Lounge	Total Vehicles	Total Vehicles	-	967	-	-	8,690	
		HBW Attraction	10%	97	13.4	1,300		
		HBO Attraction	62%	600	9.3	5,580		
		NHB Attraction	14%	135	7.5	1,013		
Quick-Service Restaurant (new) & Fast Food Restaurant (existing)	New	New Total Vehicles	-	539	-	-	4,841	
		New HBW Attraction	10%	54	13.4	724		
		New HBO Attraction	62%	334	9.3	3,106		
		New NHB Attraction	14%	75	7.5	563		
		New NHB Production	14%	76	5.9	448		
		Existing Total Vehicles	-	250	-	-		
	Existing	Existing HBW Attraction	10%	25	13.4	335	2,247	
		Existing HBO Attraction	62%	155	9.3	1,442		
		Existing NHB Attraction	14%	35	7.5	263		
		Existing NHB Production	14%	35	5.9	207		
		Net New	-	-	-	-		2,594
		Coffee Shop	Total Vehicles	Total Vehicles	-	384		-
HBW Attraction	10%			38	13.4	509		
HBO Attraction	62%			238	9.3	2,213		
NHB Attraction	14%			54	7.5	405		
Community Space	Total Vehicles	Total Vehicles	-	296	-	-	2,663	
		HBW Attraction	10%	30	13.4	402		
		HBO Attraction	62%	184	9.3	1,711		
		NHB Attraction	14%	41	7.5	308		
Manufacturing (existing)	New	New Total Vehicles	-	0	-	-	0	
		New HBW Attraction	10%	0	13.4	0		
		New HBO Attraction	62%	0	9.3	0		
		New NHB Attraction	14%	0	7.5	0		
		New NHB Production	14%	0	5.9	0		
		Existing Total Vehicles	-	251	-	-		
	Existing	Existing HBW Attraction	10%	25	13.4	335	2,256	
		Existing HBO Attraction	62%	156	9.3	1,451		
		Existing NHB Attraction	14%	35	7.5	263		
		Existing NHB Production	14%	35	5.9	207		
		Net New	-	-	-	-		-2,256
		Business Hotel	New	New Total Vehicles	-	573		-
New HBW Attraction	10%			57	13.4	764		
New HBO Attraction	62%			355	9.3	3,302		
New NHB Attraction	14%			80	7.5	600		
New NHB Production	14%			81	5.9	478		
Existing	Existing Total Vehicles		-	121	-	-	1,087	
	Existing HBW Attraction		10%	12	13.4	161		
	Existing HBO Attraction		62%	75	9.3	698		
	Existing NHB Attraction		14%	17	7.5	128		
	Existing NHB Production		14%	17	5.9	100		
Net New	-	-	-	-	4,057			

**ATTACHMENT B-2  
WEEKEND VMT ESTIMATES - ANCILLARY LAND USES**

Event Type	Land Use	Trip Type	Trip %	Total	Trip Length	Daily VMT	Total Daily VMT	
<b>Weekend Day with Corporate/Community Event or Plaza Event</b>								
Office	New	New Total Vehicles	-	144	-	-	1,432	
		New HBW Attraction	33%	48	13.4	643		
		New HBO Attraction	39%	56	9.3	521		
		New NHB Attraction	14%	20	7.5	150		
		New NHB Production	14%	20	5.9	118		
		Existing Total Vehicles	-	92	-	-		
	Existing	Existing HBW Attraction	33%	30	14.9	447	1,003	
		Existing HBO Attraction	39%	36	9.9	356		
		Existing NHB Attraction	14%	13	5.0	65		
		Existing NHB Production	14%	13	10.4	135		
		Net New	-	-	-	-		429
		Practice Facility	New	New Total Vehicles	-	108		-
New HBW Attraction	100%			108	13.4	1,447		
New HBO Attraction	0%			0	9.3	0		
New NHB Attraction	0%			0	7.5	0		
New NHB Production	0%			0	5.9	0		
Existing	Existing Total Vehicles		-	108	-	-	1,620	
	Existing HBW Attraction		100%	108	15.0	1,620		
	Existing HBO Attraction		0%	0	10.1	0		
	Existing NHB Attraction		0%	0	6.0	0		
	Existing NHB Production		0%	0	6.2	0		
Sports Medicine Clinic	Total Vehicles	Total Vehicles	-	0	-	-	0	
		HBW Attraction	10%	0	13.4	0		
		HBO Attraction	62%	0	9.3	0		
		NHB Attraction	14%	0	7.5	0		
Retail	Total Vehicles	Total Vehicles	-	903	-	-	8,108	
		HBW Attraction	10%	90	13.4	1,206		
		HBO Attraction	62%	560	9.3	5,208		
		NHB Attraction	14%	126	7.5	945		
Full-service Restaurant/Lounge	Total Vehicles	Total Vehicles	-	1,039	-	-	9,332	
		HBW Attraction	10%	104	13.4	1,394		
		HBO Attraction	62%	644	9.3	5,989		
		NHB Attraction	14%	145	7.5	1,088		
Quick-Service Restaurant (new) & Fast Food Restaurant (existing)	New	New Total Vehicles	-	545	-	-	4,898	
		New HBW Attraction	10%	55	13.4	737		
		New HBO Attraction	62%	338	9.3	3,143		
		New NHB Attraction	14%	76	7.5	570		
		New NHB Production	14%	76	5.9	448		
		Existing Total Vehicles	-	251	-	-		
	Existing	Existing HBW Attraction	10%	25	13.4	335	2,256	
		Existing HBO Attraction	62%	156	9.3	1,451		
		Existing NHB Attraction	14%	35	7.5	263		
		Existing NHB Production	14%	35	5.9	207		
		Net New	-	-	-	-		2,642
		Coffee Shop	Total Vehicles	Total Vehicles	-	418		-
HBW Attraction	10%			42	13.4	563		
HBO Attraction	62%			259	9.3	2,409		
NHB Attraction	14%			59	7.5	443		
Community Space	Total Vehicles	Total Vehicles	-	140	-	-	1,259	
		HBW Attraction	10%	14	13.4	188		
		HBO Attraction	62%	87	9.3	809		
		NHB Attraction	14%	20	7.5	150		
Manufacturing (existing)	New	New Total Vehicles	-	0	-	-	0	
		New HBW Attraction	10%	0	13.4	0		
		New HBO Attraction	62%	0	9.3	0		
		New NHB Attraction	14%	0	7.5	0		
		New NHB Production	14%	0	5.9	0		
		Existing Total Vehicles	-	140	-	-		
	Existing	Existing HBW Attraction	10%	14	13.4	188	1,259	
		Existing HBO Attraction	62%	87	9.3	809		
		Existing NHB Attraction	14%	20	7.5	150		
		Existing NHB Production	14%	19	5.9	112		
		Net New	-	-	-	-		-1,259
		Business Hotel	New	New Total Vehicles	-	826		-
New HBW Attraction	10%			83	13.4	1,112		
New HBO Attraction	62%			512	9.3	4,762		
New NHB Attraction	14%			116	7.5	870		
New NHB Production	14%			115	5.9	679		
Existing	Existing Total Vehicles		-	160	-	-	1,436	
	Existing HBW Attraction		10%	16	13.4	214		
	Existing HBO Attraction		62%	99	9.3	921		
	Existing NHB Attraction		14%	22	7.5	165		
	Existing NHB Production		14%	23	5.9	136		
Net New	-	-	-	-	5,987			

Weekday with Corporate/Community Event or Plaza Event

Weekend Day with Corporate/Community Event or Plaza Event

