

JOB King	of Prussia Rail - Tier 3 Alternativ	ves - Traffic Counts	OF 2											
SHEET NO.	1	OF	2											
CALCULATED B	Y JK	DATE		2/5/2015										
CHECKED BY	ALT	DATE		2/11/2015										
DESCRIPTION	Weekday AM Peak Period - Pe	eak Hour Calculation												

	isulting Engineers Construction	I	Larra sur	10,0,3		<u> </u>	1	-	1	-	-					ı		ı			1			
				<u>C</u>	ALCUL	ATION OF G	LOBAL	. PEAK	(HOL	IR FOI	R WEE	KDAY	AM P	ERIO	<u>D.</u>									
Convention	on Center / 1st & M	loore	Statio	<u>n</u>										Hend	lerson	Road Static	<u>on</u>							
Start Time	Total Vehicles - per 15 Min	Total	Vehicle: Hour	s - per										Start	Time	Total Vehicles 15 Min		Total '	Vehicles Hour	s - per				
7:00 AM	737													7:00) AM	1803								
7:15 AM	766													7:15	5 AM	2137								
7:30 AM	957													7:30	MA C	2244								
7:45 AM	995		3455											7:45	5 AM	2207			8391					
8:00 AM	1088		3806											8:00) AM	2053			8641					
8:15 AM	1081		4121											8:15	5 AM	2171			8675		See No	te 2		
8:30 AM	1147		4311											8:30) AM	1988			8419					
8:45 AM	1049		4365		See No	ite 1								8:45	5 AM	2068			8280					
Start Time	Total Vehicles													Start	Time	To Vehi								
8:00 AM	1088													7:30) AM	22	44							
8:15 AM	1081													7:45	5 AM	22	07							
8:30 AM	1147													8:00	D AM	20	53							
8:45 AM	1049													8:15	5 AM	21	71							
Peak Hour T	otal 4365													Peak H	Hour Tota	al 86	75							
PHF	0.95139	SAY	0.96											PHF		0.96	647	SAY	0.97					
HV	54													HV		27	71							
% HV	1.2%	SAY												% HV		3.1	1%	SAY						
NOTES:																								
1. The globa	l peak hour was calculat	ed by to	taling th	ne 15-m	inute in	tervals for the 2	? intersed	ctions n	ear the	Conve	ntion Ce	enter /	1st and	Moore	Road Sta	ation. This cald	culation	yielded	a peak	hour of	8:00 A	И - 9:00	AM,	
which coincid	des with both intersectio	ns.																						
	l peak hour was calculat	ed by to	taling th	ne 15-m	inute in	tervals for all 4	intersect	tions ne	ar the	Hender	son Roa	ad Stati	on. This	calcul	ation yiel	lded a peak ho	our of 7:	30 AM -	8:30 A	M, whic	h coinci	des wit	h 3 of	
the 4 interse	ctions.																							
								T																



JOB	King of Prussia Rail - Tier 3 Alternatives - Traffic Counts												
SHEET NO)	2		OF	2								
CALCULAT	ED BY	Jk	(DATE		2/5/2015							
CHECKED	BY	AL	.T	DATE		2/11/2015							
DESCRIPT	TION V	Veekday PM F	Peak Period - Pea	k Hour Calculation									

Со	nsulting Eng	gineers Constructio	on Inspecto	ors Land Si	urveÿors							·								
				_		<u>IOITA.</u>	N OF C	SLOBAL PEA	K HO	JR FO	R WEE	KDAY				_				
Convention	n Cent	er / 1st & N	<u>loore</u>	<u>Statio</u>	<u>n</u>								Hend	erson	Road	<u>Station</u>				
	Total	Vehicles - per	Total	Vehicles	s - ner										Total	Vehicles - per	Total	Vehicles - per		
Start Time		15 Min	Total	Hour	, per								Start	Time	Total	15 Min	Total	Hour		
04:00 PM		1211											04:0	0 PM		2487				
04:15 PM		1100											04:1	5 PM		2421				
04:30 PM		1324											04:3	0 PM		2707				
04:45 PM		1226		4861									04:4	5 PM		2812		10427		
05:00 PM		1516		5166									05:0	0 PM		2909		10849		
05:15 PM		1431		5497	See No	ote 1							05:1	5 PM		2896		11324	See No	ote 2
05:30 PM		1270		5443									05:3	0 PM		2630		11247		
05:45 PM		1203		5420									05:4	5 PM		2686		11121		
Start Time		Total Vehicles											Start	Time		Total Vehicles				
04:30 PM		1324											04:3	0 PM		2707				
04:45 PM		1226											04:4	5 PM		2812				
05:00 PM		1516											05:0	0 PM		2909				
05:15 PM		1431											05:1	5 PM		2896				
Peak Hour To	tal	5497											Peak H	lour Tot	al	11324				
PHF		0.90650	SAY	0.91									PHF			0.97319	SAY	0.98		
HV		34											HV			115				
% HV		0.6%	SAY										% HV			1.0%	SAY			
NOTES:																				
1. The global	peak hou	ur was calculat	ed by to	taling th	ne 15-minute ir	tervals	for the 2	2 intersections	near the	e Conve	ntion C	enter / 1	st and Moore	Road St	tation. 1	his calculation	yielded	a peak hour o	4:30 P	M - 5:30 PM,
which coincide	es with 1	of the 2 inters	sections	•																
2. The global		ur was calculat	ed by to	taling th	ne 15-minute ir	tervals	for all 4	intersections r	near the	Hender	son Ro	ad Stati	on. This calcul	ation yie	elded a	peak hour of 4:	30 PM -	5:30 PM, whi	ch coinc	ides with 1 of
the 4 intersec	ions.		1			I	· · · · · · · · · · · · · · · · · · ·		1					T	Ι	1	ı		1	