



JOB King of Prussia Rail - Tier 3 Alternatives - Traffic Counts

SHEET NO. 1 OF 2

CALCULATED BY JK DATE 2/5/2015

CHECKED BY ALT DATE 2/11/2015

DESCRIPTION Weekday AM Peak Period - Peak Hour Calculation

**CALCULATION OF GLOBAL PEAK HOUR FOR WEEKDAY AM PERIOD.**

<u>Convention Center / 1st &amp; Moore Station</u>						<u>Henderson Road Station</u>					
Start Time	Total Vehicles - per 15 Min	Total Vehicles - per Hour				Start Time	Total Vehicles - per 15 Min	Total Vehicles - per Hour			
7:00 AM	737					7:00 AM	1803				
7:15 AM	766					7:15 AM	2137				
7:30 AM	957					7:30 AM	2244				
7:45 AM	995	3455				7:45 AM	2207	8391			
8:00 AM	1088	3806				8:00 AM	2053	8641			
8:15 AM	1081	4121				8:15 AM	2171	8675	See Note 2		
8:30 AM	1147	4311				8:30 AM	1988	8419			
8:45 AM	1049	4365	See Note 1			8:45 AM	2068	8280			
Start Time	Total Vehicles					Start Time	Total Vehicles				
8:00 AM	1088					7:30 AM	2244				
8:15 AM	1081					7:45 AM	2207				
8:30 AM	1147					8:00 AM	2053				
8:45 AM	1049					8:15 AM	2171				
Peak Hour Total	4365					Peak Hour Total	8675				
PHF	0.95139	SAY	0.96			PHF	0.96647	SAY	0.97		
HV	54					HV	271				
% HV	1.2%	SAY				% HV	3.1%	SAY			
NOTES:											
1. The global peak hour was calculated by totaling the 15-minute intervals for the 2 intersections near the Convention Center / 1st and Moore Road Station. This calculation yielded a peak hour of 8:00 AM - 9:00 AM, which coincides with both intersections.											
2. The global peak hour was calculated by totaling the 15-minute intervals for all 4 intersections near the Henderson Road Station. This calculation yielded a peak hour of 7:30 AM - 8:30 AM, which coincides with 3 of the 4 intersections.											



JOB King of Prussia Rail - Tier 3 Alternatives - Traffic Counts

SHEET NO. 2 OF 2

CALCULATED BY JK DATE 2/5/2015

CHECKED BY ALT DATE 2/11/2015

DESCRIPTION Weekday PM Peak Period - Peak Hour Calculation

**CALCULATION OF GLOBAL PEAK HOUR FOR WEEKDAY PM PERIOD.**

<b>Convention Center / 1st &amp; Moore Station</b>					<b>Henderson Road Station</b>				
Start Time	Total Vehicles - per 15 Min	Total Vehicles - per Hour			Start Time	Total Vehicles - per 15 Min	Total Vehicles - per Hour		
04:00 PM	1211				04:00 PM	2487			
04:15 PM	1100				04:15 PM	2421			
04:30 PM	1324				04:30 PM	2707			
04:45 PM	1226	4861			04:45 PM	2812	10427		
05:00 PM	1516	5166			05:00 PM	2909	10849		
05:15 PM	1431	5497	See Note 1		05:15 PM	2896	11324	See Note 2	
05:30 PM	1270	5443			05:30 PM	2630	11247		
05:45 PM	1203	5420			05:45 PM	2686	11121		
Start Time	Total Vehicles				Start Time	Total Vehicles			
04:30 PM	1324				04:30 PM	2707			
04:45 PM	1226				04:45 PM	2812			
05:00 PM	1516				05:00 PM	2909			
05:15 PM	1431				05:15 PM	2896			
Peak Hour Total	5497				Peak Hour Total	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 hour was calculated by totaling the 15-minute intervals for the 2 intersections near the Convention Center / 1st and Moore Road Station. This calculation yielded a peak hour of 4:30 PM - 5:30 PM, which coincides with 1 of the 2 intersections.									
2. The global peak hour was calculated by totaling the 15-minute intervals for all 4 intersections near the Henderson Road Station. This calculation yielded a peak hour of 4:30 PM - 5:30 PM, which coincides with 1 of the 4 intersections.									