EXISITING TRAFFIC VOLUMES

Board of Zoning Adjustment
District of Columbia
CASE NO.16553
EXHIBIT NO.23A2

Manual traffic counts were taken on Tuesday August 5, 1997 (7:00 AM - 9:30 AM and 3:30 PM - 6:30 PM), Wednesday August 6, 1997 (5:00 PM - 6:00 PM), and Thursday August 7, 1997 (8:00 AM - 9:30 AM) at the following intersections:

- 23rd Street/"G" Street, NW
- 24th Street/"G" Street, NW
- 24th Street/"H" Street, NW

Manual traffic counts in the site vicinity were also taken in April 1993 (during the spring semester) for the October 1993 "George Washington University Health and Wellness Center Traffic Analysis" prepared by Robert L. Morris, Inc. These traffic volumes were grown 2% per year for four years to project traffic volumes under existing conditions. The volumes projected from 1993 were higher than the traffic volumes obtained from the August 1997 manual counts. The projected volumes indicate the traffic conditions when student enrollment is at its highest (during the fall or spring academic semesters); therefore, the projected volumes were used as existing peak hour volumes for this analysis. See attached Figure 4.

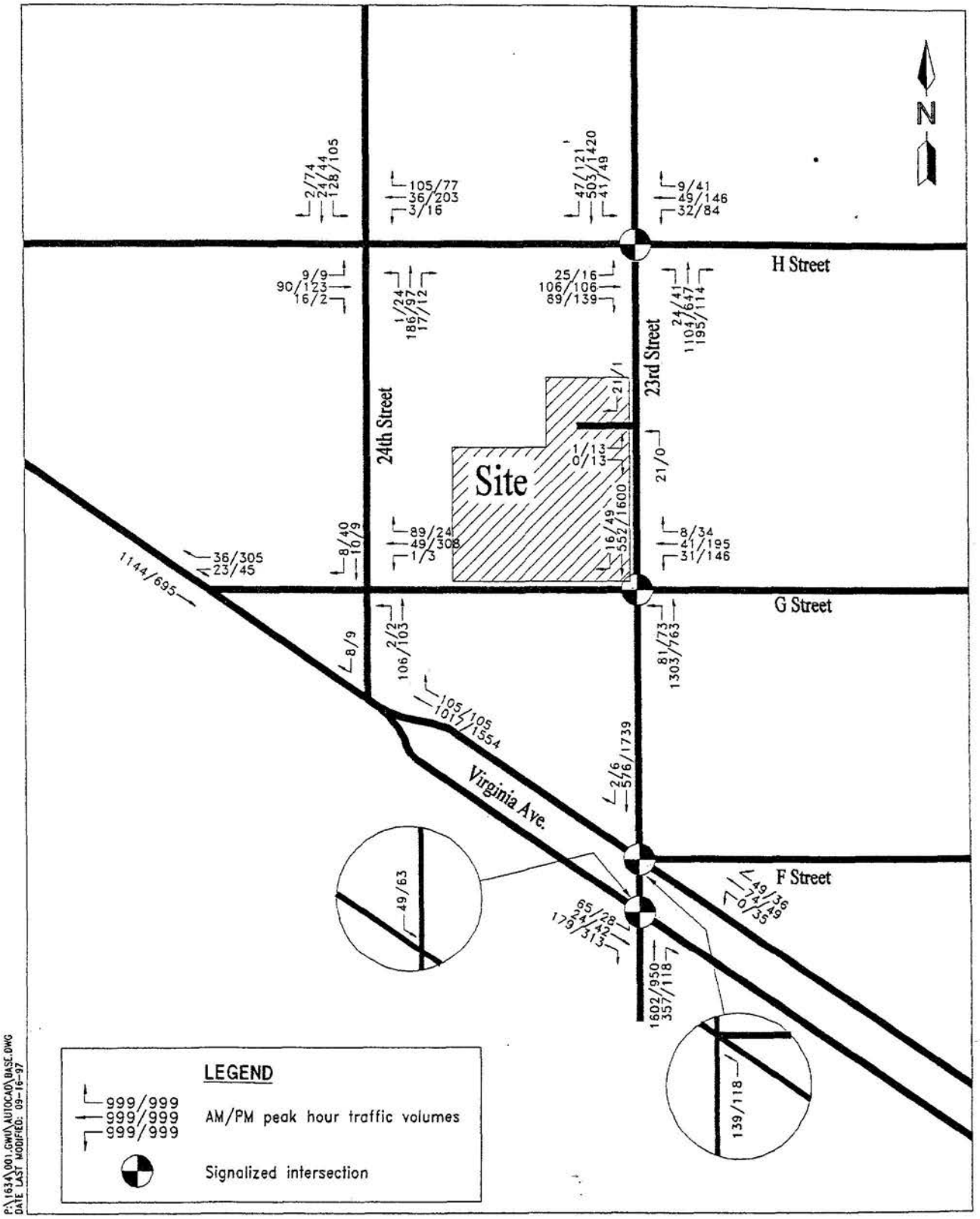


Figure 4
Existing Peak Hour Traffic Volumes

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	The George Washington University Hospital	**COUNTED BY:**	Andre Wright & Leonard Worley
PROJECT NO.	1677-001	**DAY & DATE:**	Tuesday April 28, 1998
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:**

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

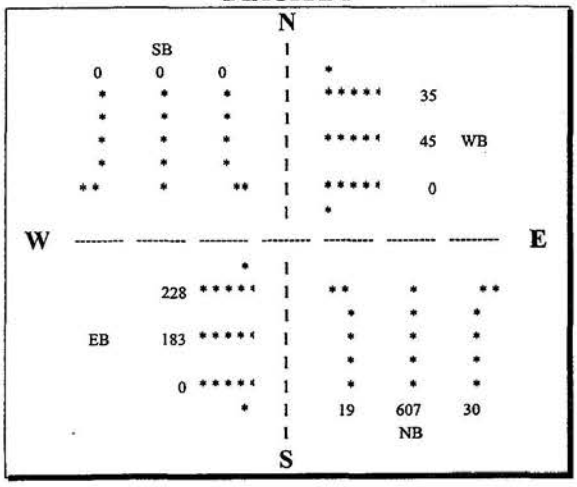
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM													0	0	NA	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM													0	0	NA	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM													0	0	NA	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM													0	140	0.25	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM													0	316	0.45	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM													0	556	0.58	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM				10	6		16	57	1		26	24	140	816	0.78	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM				9	13		6	81	2		35	30	176	974	0.82	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM				11	9		9	131	4		37	39	240	1082	0.91	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM				13	11		11	132	3		39	51	260	1147	0.94	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM				7	11		6	164	5		46	59	298	1017	0.83	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM				4	11		5	158	7		46	53	284	719	0.59	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM				11	12		8	153	4		52	65	305	435	0.36	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM							5	123	2				130	130	0.25	09:15 AM - 09:30 AM
09:30 AM - 09:45 AM													0	0	NA	09:30 AM - 09:45 AM
09:45 AM - 10:00 AM													0	0	NA	09:45 AM - 10:00 AM
10:00 AM - 10:15 AM													0	0	NA	10:00 AM - 10:15 AM
10:15 AM - 10:30 AM													0	0	NA	10:15 AM - 10:30 AM
10:30 AM - 10:45 AM													0	0	NA	10:30 AM - 10:45 AM
10:45 AM - 11:00 AM													0	0	NA	10:45 AM - 11:00 AM
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0		0.25	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0		0.25	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0		0.25	11:45 AM - 12:00 PM
AM TOTAL	**0**	**0**	**0**	**65**	**73**	**0**	**66**	**999**	**28**	**0**	**281**	**321**	**1833**	**1147**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	0	0	0	13	11	0	11	132	3	0	39	51	260	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	7	11	0	6	164	5	0	46	59	298	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	4	11	0	5	158	7	0	46	53	284	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	11	12	0	8	153	4	0	52	65	305	---	---	09:00 AM - 09:15 AM
TOTAL	**0**	**0**	**0**	**35**	**45**	**0**	**30**	**607**	**19**	**0**	**183**	**228**	**1147**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	0
DEPART:	0
WB	
APPROACH:	80
DEPART:	64
NB	
APPROACH:	656
DEPART:	870
EB	
APPROACH:	411
DEPART:	213

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	The GWU Hospital	**COUNTED BY:**	Leonard Worley & Andre Wright
PROJECT NO.	1677-001	**DAY & DATE:**	Tuesday April 28, 1998
LOCATION:	Foggy Bottom		**INTERVAL:** 15 minute
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:** fair

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

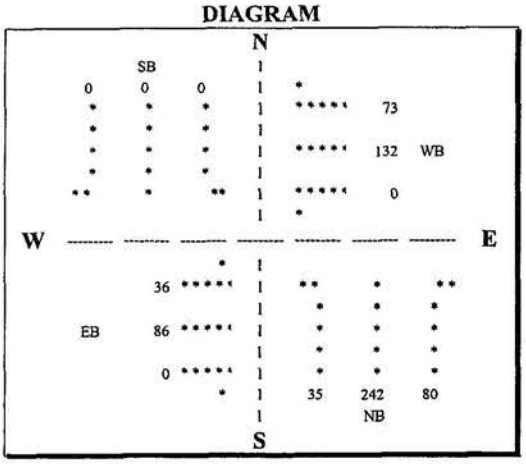
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0	0	NA	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0	0	NA	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0	0	NA	11:45 AM - 12:00 PM
12:00 PM - 12:15 PM													0	0	NA	12:00 PM - 12:15 PM
12:15 PM - 12:30 PM													0	0	NA	12:15 PM - 12:30 PM
12:30 PM - 12:45 PM													0	0	NA	12:30 PM - 12:45 PM
12:45 PM - 01:00 PM													0	0	NA	12:45 PM - 01:00 PM
01:00 PM - 01:15 PM													0	0	NA	01:00 PM - 01:15 PM
01:15 PM - 01:30 PM													0	0	NA	01:15 PM - 01:30 PM
01:30 PM - 01:45 PM													0	0	NA	01:30 PM - 01:45 PM
01:45 PM - 02:00 PM													0	0	NA	01:45 PM - 02:00 PM
02:00 PM - 02:15 PM													0	0	NA	02:00 PM - 02:15 PM
02:15 PM - 02:30 PM													0	0	NA	02:15 PM - 02:30 PM
02:30 PM - 02:45 PM													0	0	NA	02:30 PM - 02:45 PM
02:45 PM - 03:00 PM													0	0	NA	02:45 PM - 03:00 PM
03:00 PM - 03:15 PM													0	0	NA	03:00 PM - 03:15 PM
03:15 PM - 03:30 PM													0	73	0.25	03:15 PM - 03:30 PM
03:30 PM - 03:45 PM													0	233	0.36	03:30 PM - 03:45 PM
03:45 PM - 04:00 PM													0	370	0.58	03:45 PM - 04:00 PM
04:00 PM - 04:15 PM				5	11		12	28	7		8	2	73	537	0.80	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM				32	16		26	54	3		22	7	160	651	0.87	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM				17	25		18	43	5		22	7	137	666	0.89	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM				15	31		27	59	7		23	5	167	707	0.95	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM				19	38		13	70	9		26	12	187	684	0.91	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM				20	30		27	64	7		15	12	175	497	0.70	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM				23	28		25	62	12		20	8	178	322	0.45	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM				11	36		15	46	7		25	4	144	144	0.25	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM													0	0	NA	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM													0		0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM													0		0.25	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM													0		0.25	06:45 PM - 07:00 PM
PM TOTAL	**0**	**0**	**0**	**142**	**215**	**0**	**163**	**426**	**57**	**0**	**161**	**57**	**1221**	**707**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:00 PM - 05:15 PM	0	0	0	19	38	0	13	70	9	0	26	12	187	---	---	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	0	0	20	30	0	27	64	7	0	15	12	175	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	23	28	0	25	62	12	0	20	8	178	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	11	36	0	15	46	7	0	25	4	144	---	---	05:45 PM - 06:00 PM
TOTAL	**0**	**0**	**0**	**73**	**132**	**0**	**80**	**242**	**35**	**0**	**86**	**36**	**684**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	0
DEPART:	0
WB	
APPROACH:	205
DEPART:	167
NB	
APPROACH:	357
DEPART:	351
EB	
APPROACH:	122
DEPART:	166

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	The George Washington University Hospital	**COUNTED BY:**	Andre Wright & Leonard Worley
PROJECT NO.	1677-001	**DAY & DATE:**	Tuesday April 28, 1998
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:** clear and cool

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

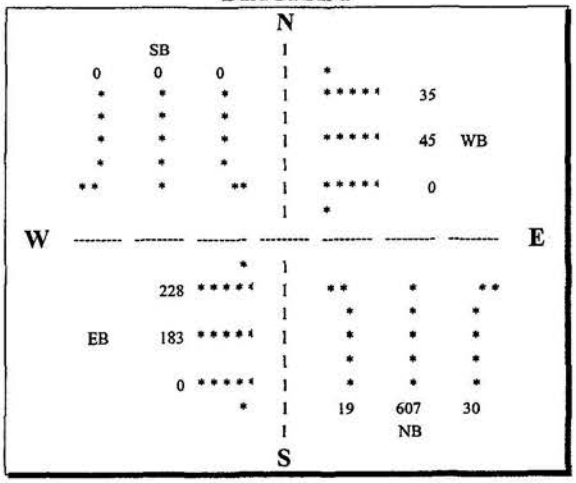
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM													0	0	NA	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM													0	0	NA	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM													0	0	NA	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM													0	140	0.25	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM													0	316	0.45	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM													0	556	0.58	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM				10	6		16	57	1		26	24	140	816	0.78	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM				9	13		6	81	2		35	30	176	974	0.82	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM				11	9		9	131	4		37	39	240	1082	0.91	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM				13	11		11	132	3		39	51	260	1147	0.94	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM				7	11		6	164	5		46	59	298	1017	0.83	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM				4	11		5	158	7		46	53	284	719	0.59	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM				11	12		8	153	4		52	65	305	435	0.36	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM							5	123	2				130	130	0.25	09:15 AM - 09:30 AM
09:30 AM - 09:45 AM													0	0	NA	09:30 AM - 09:45 AM
09:45 AM - 10:00 AM													0	0	NA	09:45 AM - 10:00 AM
10:00 AM - 10:15 AM													0	0	NA	10:00 AM - 10:15 AM
10:15 AM - 10:30 AM													0	0	NA	10:15 AM - 10:30 AM
10:30 AM - 10:45 AM													0	0	NA	10:30 AM - 10:45 AM
10:45 AM - 11:00 AM													0	0	NA	10:45 AM - 11:00 AM
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0		0.25	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0		0.25	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0		0.25	11:45 AM - 12:00 PM
AM TOTAL	**0**	**0**	**0**	**65**	**73**	**0**	**66**	**999**	**28**	**0**	**281**	**321**	**1833**	**1147**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	0	0	0	13	11	0	11	132	3	0	39	51	260	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	7	11	0	6	164	5	0	46	59	298	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	4	11	0	5	158	7	0	46	53	284	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	11	12	0	8	153	4	0	52	65	305	---	---	09:00 AM - 09:15 AM
TOTAL	**0**	**0**	**0**	**35**	**45**	**0**	**30**	**607**	**19**	**0**	**183**	**228**	**1147**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	0
DEPART:	0
WB	
APPROACH:	80
DEPART:	64
NB	
APPROACH:	656
DEPART:	870
EB	
APPROACH:	411
DEPART:	213

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	The GWU Hospital	**COUNTED BY:**	Leonard Worley & Andre Wright
PROJECT NO.	1677-001	**DAY & DATE:**	Tuesday April 28, 1998
LOCATION:			**INTERVAL:** 15 minute
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:** fair

NB. APPROACH: 22nd Street
SB. APPROACH:
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

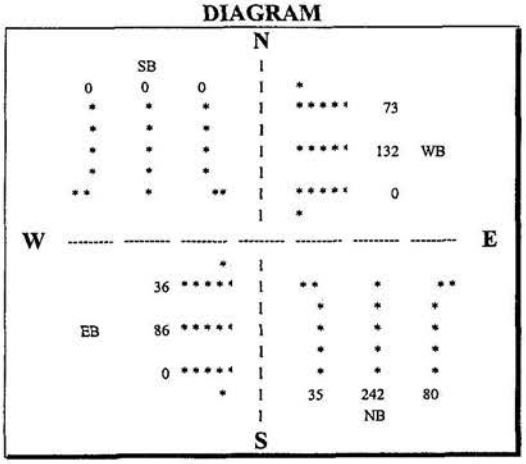
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0	0	NA	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0	0	NA	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0	0	NA	11:45 AM - 12:00 PM
12:00 PM - 12:15 PM													0	0	NA	12:00 PM - 12:15 PM
12:15 PM - 12:30 PM													0	0	NA	12:15 PM - 12:30 PM
12:30 PM - 12:45 PM													0	0	NA	12:30 PM - 12:45 PM
12:45 PM - 01:00 PM													0	0	NA	12:45 PM - 01:00 PM
01:00 PM - 01:15 PM													0	0	NA	01:00 PM - 01:15 PM
01:15 PM - 01:30 PM													0	0	NA	01:15 PM - 01:30 PM
01:30 PM - 01:45 PM													0	0	NA	01:30 PM - 01:45 PM
01:45 PM - 02:00 PM													0	0	NA	01:45 PM - 02:00 PM
02:00 PM - 02:15 PM													0	0	NA	02:00 PM - 02:15 PM
02:15 PM - 02:30 PM													0	0	NA	02:15 PM - 02:30 PM
02:30 PM - 02:45 PM													0	0	NA	02:30 PM - 02:45 PM
02:45 PM - 03:00 PM													0	0	NA	02:45 PM - 03:00 PM
03:00 PM - 03:15 PM													0	0	NA	03:00 PM - 03:15 PM
03:15 PM - 03:30 PM													0	73	0.25	03:15 PM - 03:30 PM
03:30 PM - 03:45 PM													0	233	0.36	03:30 PM - 03:45 PM
03:45 PM - 04:00 PM													0	370	0.58	03:45 PM - 04:00 PM
04:00 PM - 04:15 PM				5	11		12	28	7		8	2	73	537	0.80	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM				32	16		26	54	3		22	7	160	651	0.87	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM				17	25		18	43	5		22	7	137	666	0.89	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM				15	31		27	59	7		23	5	167	707	0.95	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM				19	38		13	70	9		26	12	187	684	0.91	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM				20	30		27	64	7		15	12	175	497	0.70	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM				23	28		25	62	12		20	8	178	322	0.45	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM				11	36		15	46	7		25	4	144	144	0.25	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM													0	0	NA	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM													0		0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM													0		0.25	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM													0		0.25	06:45 PM - 07:00 PM
PM TOTAL	**0**	**0**	**0**	**142**	**215**	**0**	**163**	**426**	**57**	**0**	**161**	**57**	**1221**	**707**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:00 PM - 05:15 PM	0	0	0	19	38	0	13	70	9	0	26	12	187	---	---	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	0	0	20	30	0	27	64	7	0	15	12	175	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	23	28	0	25	62	12	0	20	8	178	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	11	36	0	15	46	7	0	25	4	144	---	---	05:45 PM - 06:00 PM
TOTAL	**0**	**0**	**0**	**73**	**132**	**0**	**80**	**242**	**35**	**0**	**86**	**36**	**684**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	205
	DEPART:	167
NB		
	APPROACH:	357
	DEPART:	351
EB		
	APPROACH:	122
	DEPART:	166

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	CAB, Raynette and Tatjana Savoy
PROJECT NO.	1634-005	**DAY & DATE:**	March 11, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 19th Street
SB. APPROACH: 19th Street
EB. APPROACH: "F" Street
WB. APPROACH: "F" Street

COUNTS

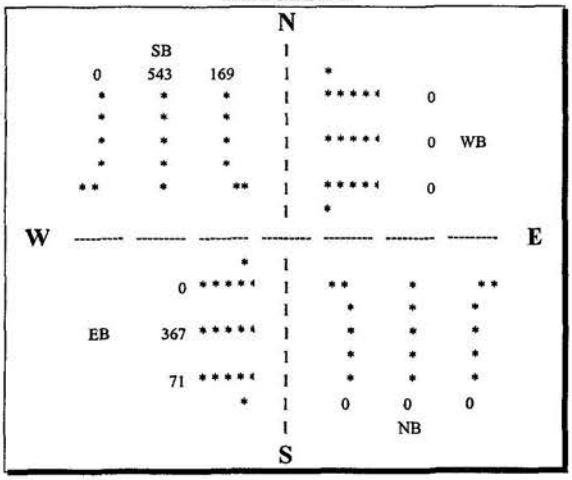
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	279	0.25	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	487	0.44	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	721	0.65	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM	0	161	37	0	0	0	0	0	0	14	67	0	279	971	0.87	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM	0	102	45	0	0	0	0	0	0	12	49	0	208	976	0.86	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM	0	108	27	0	0	0	0	0	0	9	90	0	234	1084	0.86	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	0	121	33	0	0	0	0	0	0	21	75	0	250	1150	0.91	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	138	37	0	0	0	0	0	0	10	99	0	284	1133	0.90	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	142	54	0	0	0	0	0	0	17	103	0	316	849	0.67	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	142	45	0	0	0	0	0	0	23	90	0	300	533	0.44	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	0	93	30	0	0	0	0	0	0	24	86	0	233			09:15 AM - 09:30 AM
09:30 AM - 09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			09:30 AM - 09:45 AM
09:45 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			09:45 AM - 10:00 AM
AM TOTAL	**0**	**1007**	**308**	**0**	**0**	**0**	**0**	**0**	**0**	**130**	**659**	**0**	**2104**	**1150**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	0	121	33	0	0	0	0	0	0	21	75	0	250	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	138	37	0	0	0	0	0	0	10	99	0	284	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	142	54	0	0	0	0	0	0	17	103	0	316	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	142	45	0	0	0	0	0	0	23	90	0	300	---	---	09:00 AM - 09:15 AM
TOTAL	**0**	**543**	**169**	**0**	**0**	**0**	**0**	**0**	**0**	**71**	**367**	**0**	**1150**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	712
DEPART:	614
WB	
APPROACH:	0
DEPART:	0
NB	
APPROACH:	0
DEPART:	0
EB	
APPROACH:	438
DEPART:	536

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	
PROJECT NO.	1634-005	**DAY & DATE:**	Thursday, March 11, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 19th Street
SB. APPROACH: 19th Street
EB. APPROACH: "F" Street
WB. APPROACH: "F" Street

COUNTS

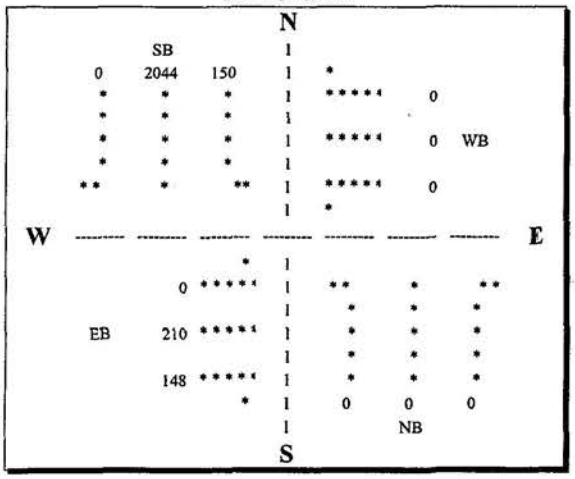
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		PM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
04:00 PM - 04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1086	0.48	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1637	0.73	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM	0	412	40	0	0	0	0	0	0	31	42	0	525	2205	0.97	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM	0	451	49	0	0	0	0	0	0	37	24	0	561	2312	0.91	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM	0	450	34	0	0	0	0	0	0	20	47	0	551	2487	0.84	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	463	31	0	0	0	0	0	0	26	48	0	568	2552	0.87	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	490	48	0	0	0	0	0	0	49	45	0	632	2664	0.90	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	586	48	0	0	0	0	0	0	33	69	0	736	2032	0.69	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	505	23	0	0	0	0	0	0	40	48	0	616	1296	0.48	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	0	555	54	0	0	0	0	0	0	31	40	0	680	680	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:15 PM - 07:30 PM
07:30 PM - 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:30 PM - 07:45 PM
07:45 PM - 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:45 PM - 08:00 PM
PM TOTAL	**0**	**3912**	**327**	**0**	**0**	**0**	**0**	**0**	**0**	**267**	**363**	**0**	**4869**	**2664**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		PM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:15 PM - 05:30 PM	0	463	31	0	0	0	0	0	0	26	48	0	568	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	490	48	0	0	0	0	0	0	49	45	0	632	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	586	48	0	0	0	0	0	0	33	69	0	736	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	505	23	0	0	0	0	0	0	40	48	0	616	---	---	06:00 PM - 06:15 PM
TOTAL	**0**	**2044**	**150**	**0**	**0**	**0**	**0**	**0**	**0**	**148**	**210**	**0**	**2552**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	2194
DEPART:	2192
WB	
APPROACH:	0
DEPART:	0
NB	
APPROACH:	0
DEPART:	0
EB	
APPROACH:	358
DEPART:	360

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Lucinda Contee & Mike Holesapple
PROJECT NO.	1634-005	**DAY & DATE:**	March 10, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 20th Street
SB. APPROACH: 20th Street
EB. APPROACH: "G" Street
WB. APPROACH: "G" Street

COUNTS

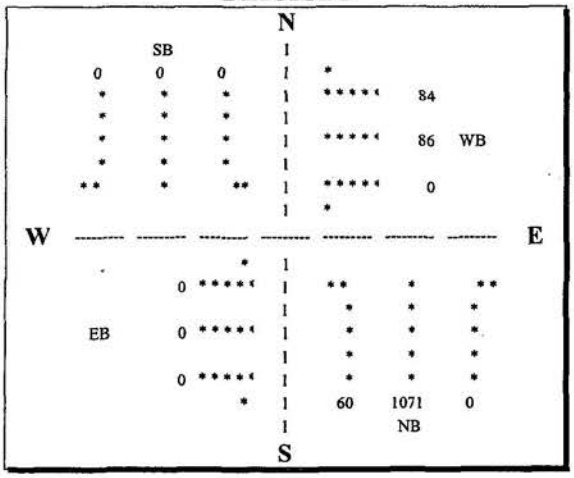
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	152	0.25	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	482	0.37	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	807	0.61	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM	0	0	0	11	9	0	0	117	15	0	0	0	152	1135	0.86	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM	0	0	0	23	21	0	0	267	19	0	0	0	330	1290	0.98	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM	0	0	0	19	22	0	0	271	13	0	0	0	325	1288	0.98	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	0	0	0	17	20	0	0	272	19	0	0	0	328	1301	0.96	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	27	14	0	0	255	11	0	0	0	307	1299	0.96	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	20	26	0	0	267	15	0	0	0	328	1011	0.75	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	20	26	0	0	277	15	0	0	0	338	683	0.51	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	0	0	0	23	18	0	0	265	20	0	0	0	326			09:15 AM - 09:30 AM
09:30 AM - 09:45 AM	0	0	0	0	19	0	0	0	0	0	0	0	19			09:30 AM - 09:45 AM
09:45 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			09:45 AM - 10:00 AM
AM TOTAL	**0**	**0**	**0**	**160**	**175**	**0**	**0**	**1991**	**127**	**0**	**0**	**0**	**2453**	**1301**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	0	0	0	17	20	0	0	272	19	0	0	0	328	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	27	14	0	0	255	11	0	0	0	307	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	20	26	0	0	267	15	0	0	0	328	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	20	26	0	0	277	15	0	0	0	338	---	---	09:00 AM - 09:15 AM
TOTAL	**0**	**0**	**0**	**84**	**86**	**0**	**0**	**1071**	**60**	**0**	**0**	**0**	**1301**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	170
	DEPART:	146
NB		
	APPROACH:	1131
	DEPART:	1155
EB		
	APPROACH:	0
	DEPART:	0

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Lucinda Contee & Mike Holesapple
PROJECT NO.	1634-005	**DAY & DATE:**	March 10, 1999
LOCATION:	Foggy Bottom	**INTERVAL:**	15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 20th Street
SB. APPROACH: 20th Street
EB. APPROACH: "G" Street
WB. APPROACH: "G" Street

COUNTS

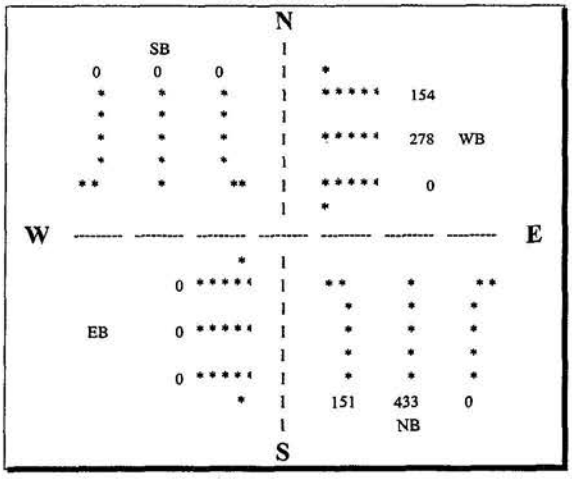
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
04:00 PM - 04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	388	0.46	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	600	0.71	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM	0	0	0	27	45	0	0	117	23	0	0	0	212	834	0.89	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM	0	0	0	26	28	0	0	103	19	0	0	0	176	887	0.84	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM	0	0	0	32	50	0	0	102	28	0	0	0	212	962	0.91	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	0	0	60	23	0	0	107	44	0	0	0	234	1016	0.95	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	28	79	0	0	120	38	0	0	0	265	981	0.92	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	27	87	0	0	102	35	0	0	0	251	716	0.67	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	39	89	0	0	104	34	0	0	0	266	465	0.44	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	0	0	0	22	74	0	0	82	21	0	0	0	199	199	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:15 PM - 07:30 PM
07:30 PM - 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:30 PM - 07:45 PM
07:45 PM - 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:45 PM - 08:00 PM
PM TOTAL	**0**	**0**	**0**	**261**	**475**	**0**	**0**	**837**	**242**	**0**	**0**	**0**	**1815**	**1016**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:15 PM - 05:30 PM	0	0	0	60	23	0	0	107	44	0	0	0	234	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	28	79	0	0	120	38	0	0	0	265	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	27	87	0	0	102	35	0	0	0	251	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	39	89	0	0	104	34	0	0	0	266	---	---	06:00 PM - 06:15 PM
TOTAL	**0**	**0**	**0**	**154**	**278**	**0**	**0**	**433**	**151**	**0**	**0**	**0**	**1016**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	432
	DEPART:	429
NB		
	APPROACH:	584
	DEPART:	587
EB		
	APPROACH:	0
	DEPART:	0

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Lucinda Contee & Mike Holesapple
PROJECT NO.	1634-005	**DAY & DATE:**	Thursday, March 4, 1999
LOCATION:	Foggy Bottom	**INTERVAL:**	15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: "F" Street
WB. APPROACH: "F" Street

COUNTS

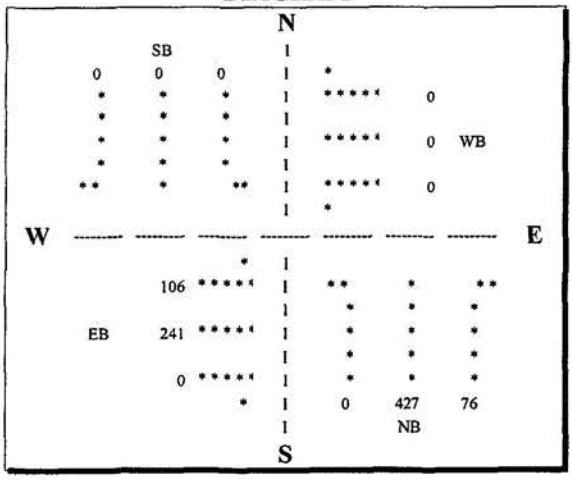
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	124	0.25	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	302	0.42	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	504	0.62	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM	0	0	0	0	0	0	10	72	0	0	29	13	124	704	0.87	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM	0	0	0	0	0	0	17	106	0	0	43	12	178	787	0.95	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM	0	0	0	0	0	0	18	109	0	0	54	21	202	839	0.91	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	0	0	0	0	0	0	15	113	0	0	53	19	200	850	0.92	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	0	0	0	20	99	0	0	63	25	207	859	0.93	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	0	0	0	17	111	0	0	73	29	230	652	0.71	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	0	0	0	24	104	0	0	52	33	213	422	0.50	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	0	0	0	0	0	0	14	110	0	0	58	27	209			09:15 AM - 09:30 AM
09:30 AM - 09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			09:30 AM - 09:45 AM
09:45 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			09:45 AM - 10:00 AM
AM TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**135**	**824**	**0**	**0**	**425**	**179**	**1563**	**859**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	0	0	0	0	0	0	15	113	0	0	53	19	200	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	0	0	0	20	99	0	0	63	25	207	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	0	0	0	17	111	0	0	73	29	230	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	0	0	0	24	104	0	0	52	33	213	---	---	09:00 AM - 09:15 AM
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**76**	**427**	**0**	**0**	**241**	**106**	**850**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	0
	DEPART:	0
NB		
	APPROACH:	503
	DEPART:	533
EB		
	APPROACH:	347
	DEPART:	317

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Lucinda Contee & Mike Holesapple
PROJECT NO.	1634-005	**DAY & DATE:**	Thursday, March 4, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:**

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: "F" Street
WB. APPROACH: "F" Street

COUNTS

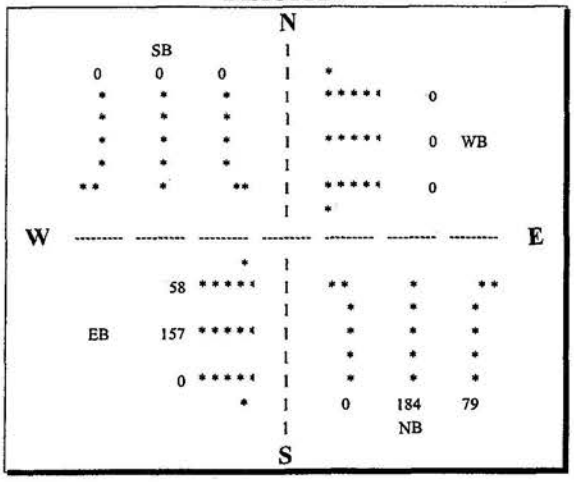
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
04:00 PM - 04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0.45	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	301	0.60	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM	0	0	0	0	0	0	22	37	0	0	29	11	99	392	0.78	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM	0	0	0	0	0	0	18	50	0	0	39	19	126	429	0.79	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM	0	0	0	0	0	0	10	30	0	0	28	8	76	442	0.79	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	0	0	0	0	0	13	40	0	0	27	11	91	478	0.86	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	0	0	0	16	52	0	0	53	15	136	468	0.84	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	0	0	0	26	53	0	0	39	21	139	332	0.60	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	0	0	0	24	39	0	0	38	11	112	193	0.43	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	0	0	0	0	0	0	13	25	0	0	30	13	81	81	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:15 PM - 07:30 PM
07:30 PM - 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:30 PM - 07:45 PM
07:45 PM - 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			07:45 PM - 08:00 PM
PM TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**142**	**326**	**0**	**0**	**283**	**109**	**860**	**478**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:15 PM - 05:30 PM	0	0	0	0	0	0	13	40	0	0	27	11	91	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	0	0	0	16	52	0	0	53	15	136	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	0	0	0	26	53	0	0	39	21	139	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	0	0	0	24	39	0	0	38	11	112	---	---	06:00 PM - 06:15 PM
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**79**	**184**	**0**	**0**	**157**	**58**	**478**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	0
	DEPART:	0
NB		
	APPROACH:	263
	DEPART:	242
EB		
	APPROACH:	215
	DEPART:	236

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	Media and Public Affairs	**COUNTED BY:**	Avon
PROJECT NO.	1634-002	**DAY & DATE:**	Thursday September 10, 1998
LOCATION:	GWU	**INTERVAL:**	15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:** clear and cool

NB. APPROACH: 21st Street
SB. APPROACH: 21st Street
EB. APPROACH: H Street
WB. APPROACH: H Street

COUNTS

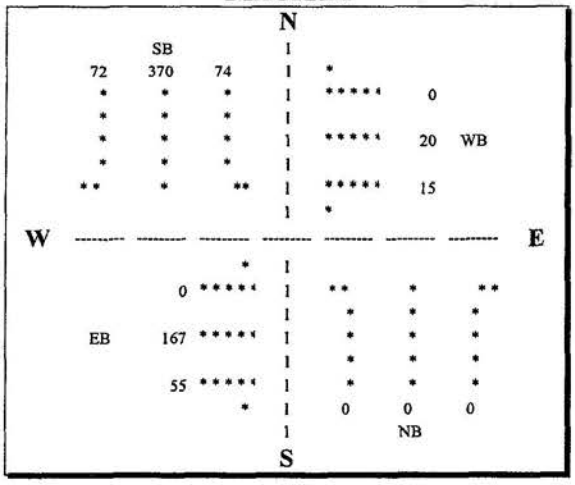
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM													0	7	0.25	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM													0	92	0.27	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM													0	308	0.36	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM					5	2							7	417	0.48	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM	14	54	13		3	1							85	563	0.65	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM	31	115	27		5	1				17	20		216	680	0.79	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM	11	52	10		11	3				14	8		109	665	0.82	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM	14	85	18		6	4				15	11		153	754	0.93	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM	17	125	15		5	2				9	29		202	788	0.98	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	21	106	14		4	6				14	36		201	776	0.97	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	17	98	19		3	4				14	43		198	773	0.98	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	23	83	15		6	3				15	42		187	575	0.73	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	13	97	27		6	2				9	36		190	388	0.49	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	19	92	13		5	6				17	46		198	198	0.25	09:15 AM - 09:30 AM
09:30 AM - 09:45 AM													0	0	NA	09:30 AM - 09:45 AM
09:45 AM - 10:00 AM													0	0	NA	09:45 AM - 10:00 AM
10:00 AM - 10:15 AM													0	0	NA	10:00 AM - 10:15 AM
10:15 AM - 10:30 AM													0	0	NA	10:15 AM - 10:30 AM
10:30 AM - 10:45 AM													0	0	NA	10:30 AM - 10:45 AM
10:45 AM - 11:00 AM													0	0	NA	10:45 AM - 11:00 AM
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0		0.25	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0		0.25	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0		0.25	11:45 AM - 12:00 PM
AM TOTAL	**180**	**907**	**171**	**0**	**59**	**34**	**0**	**0**	**0**	**124**	**271**	**0**	**1746**	**788**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	AM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:30 AM - 08:45 AM	17	98	19	0	3	4	0	0	0	14	43	0	198	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	23	83	15	0	6	3	0	0	0	15	42	0	187	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	13	97	27	0	6	2	0	0	0	9	36	0	190	---	---	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	19	92	13	0	5	6	0	0	0	17	46	0	198	---	---	09:15 AM - 09:30 AM
TOTAL	**72**	**370**	**74**	**0**	**20**	**15**	**0**	**0**	**0**	**55**	**167**	**0**	**773**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	516
DEPART:	440
WB	
APPROACH:	35
DEPART:	92
NB	
APPROACH:	0
DEPART:	0
EB	
APPROACH:	222
DEPART:	241

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	Media and Public Affairs	**COUNTED BY:**	Avon
PROJECT NO.	1634-002	**DAY & DATE:**	Thursday September 10, 1998
LOCATION:	GWU		**INTERVAL:** 15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:** warm

NB. APPROACH: 21st Street
SB. APPROACH: 21st Street
EB. APPROACH: H Street
WB. APPROACH: H Street

COUNTS

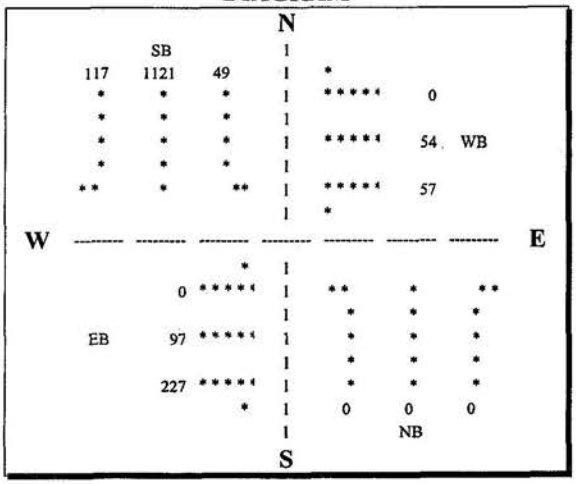
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
04:00 PM - 04:15 PM													0	599	0.50	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM													0	933	0.70	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM	31	178	13		13	7				39	20		301	1560	0.62	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM	22	209	6		11	14				25	11		298	1659	0.66	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM	24	217	10		12	10				43	18		334	1681	0.67	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	41	428	20		10	10				78	40		627	1722	0.69	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	28	236	12		18	21				52	33		400	1420	0.89	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	26	216	4		15	12				35	12		320	1020	0.68	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	22	241	13		11	14				62	12		375	700	0.47	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	21	224	2		8	9				36	25		325	325	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM													0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM													0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM													0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM													0	0	NA	07:15 PM - 07:30 PM
07:30 PM - 07:45 PM													0	0	NA	07:30 PM - 07:45 PM
07:45 PM - 08:00 PM													0	0	NA	07:45 PM - 08:00 PM
08:00 PM - 08:15 PM													0	0	NA	08:00 PM - 08:15 PM
08:15 PM - 08:30 PM													0	0	NA	08:15 PM - 08:30 PM
08:30 PM - 08:45 PM													0	0	NA	08:30 PM - 08:45 PM
08:45 PM - 09:00 PM													0	0	NA	08:45 PM - 09:00 PM
09:00 PM - 09:15 PM													0	0	NA	09:00 PM - 09:15 PM
09:15 PM - 09:30 PM													0		0.25	09:15 PM - 09:30 PM
09:30 PM - 09:45 PM													0		0.25	09:30 PM - 09:45 PM
09:45 PM - 10:00 PM													0		0.25	09:45 PM - 10:00 PM
PM TOTAL	**215**	**1949**	**80**	**0**	**98**	**97**	**0**	**0**	**0**	**370**	**171**	**0**	**2980**	**1722**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:15 PM - 05:30 PM	41	428	20	0	10	10	0	0	0	78	40	0	627	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	28	236	12	0	18	21	0	0	0	52	33	0	400	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	26	216	4	0	15	12	0	0	0	35	12	0	320	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	22	241	13	0	11	14	0	0	0	62	12	0	375	---	---	06:00 PM - 06:15 PM
TOTAL	**117**	**1121**	**49**	**0**	**54**	**57**	**0**	**0**	**0**	**227**	**97**	**0**	**1722**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	1287
DEPART:	1405
WB	
APPROACH:	111
DEPART:	171
NB	
APPROACH:	0
DEPART:	0
EB	
APPROACH:	324
DEPART:	146

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	George Washington University Parking Garage	**COUNTED BY:**	Daniel Fiorito
PROJECT NO.	1634-004	**DAY & DATE:**	Tuesday, 09/29/98
LOCATION:	GWU		**INTERVAL:** 15 min.
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:** Fair

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: H Street
WB. APPROACH: H Street

COUNTS

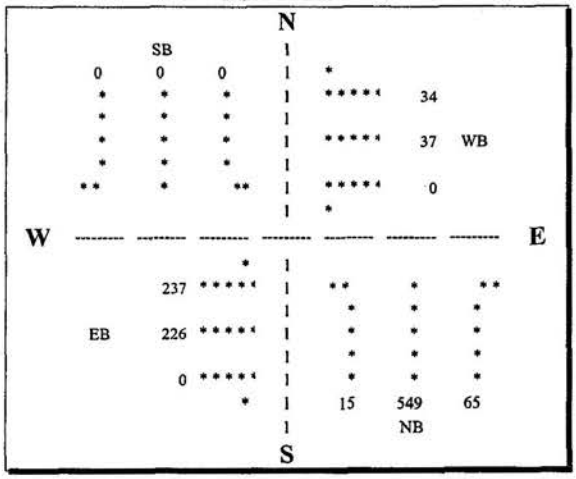
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
OVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:00 AM - 08:15 AM	0	0	0	7	6	0	10	118	9	0	35	40	225	1093	0.91	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	0	0	0	4	9	0	12	154	7	0	52	61	299	1165	0.97	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	0	0	0	6	8	0	8	132	5	0	45	67	271	1163	0.98	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	7	8	0	16	137	3	0	63	64	298	892	0.75	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	9	10	0	14	147	4	0	63	50	297	594	0.50	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	0	0	0	12	11	0	27	133	3	0	55	56	297	297	0.25	09:15 AM - 09:30 AM
09:30 AM - 09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	09:30 AM - 09:45 AM
09:45 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	09:45 AM - 10:00 AM
10:00 AM - 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	10:00 AM - 10:15 AM
10:15 AM - 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	10:15 AM - 10:30 AM
10:30 AM - 10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	10:30 AM - 10:45 AM
10:45 AM - 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	10:45 AM - 11:00 AM
11:00 AM - 11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			11:15 AM - 11:30 AM
11:30 AM - 11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0			11:30 AM - 11:45 AM
11:45 AM - 12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			11:45 AM - 12:00 PM
AM TOTAL	**0**	**0**	**0**	**45**	**52**	**0**	**87**	**821**	**31**	**0**	**313**	**338**	**1687**	**1165**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
OVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:30 AM - 08:45 AM	0	0	0	6	8	0	8	132	5	0	45	67	271	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	0	0	0	7	8	0	16	137	3	0	63	64	298	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	0	0	0	9	10	0	14	147	4	0	63	50	297	---	---	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	0	0	0	12	11	0	27	133	3	0	55	56	297	---	---	09:15 AM - 09:30 AM
TOTAL	**0**	**0**	**0**	**34**	**37**	**0**	**65**	**549**	**15**	**0**	**226**	**237**	**1163**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	0
	DEPART:	0
WB		
	APPROACH:	71
	DEPART:	52
NB		
	APPROACH:	629
	DEPART:	820
EB		
	APPROACH:	463
	DEPART:	291

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	George Washington University Parking Garage	**COUNTED BY:**	Daniel Fiorito
PROJECT NO.	1634-004	**DAY & DATE:**	Tuesday, 09/29/98
LOCATION:	GWU		**INTERVAL:** 15 min.
CITY/COUNTY:	Washington	**STATE:** DC	**WEATHER:** Fair

NB. APPROACH: 22nd Street
SB. APPROACH: 22nd Street
EB. APPROACH: H Street
WB. APPROACH: H Street

COUNTS

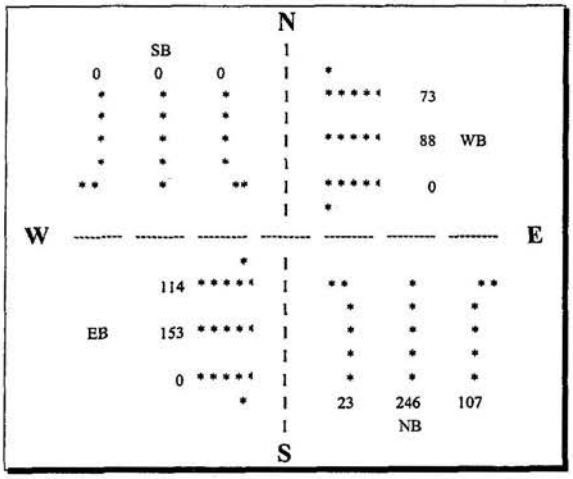
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:00 PM - 05:15 PM	0	0	0	10	21	0	32	61	7	0	28	23	182	794	0.95	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	0	0	0	13	19	0	26	72	6	0	45	29	210	831	0.95	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	0	0	0	16	19	0	24	58	7	0	44	27	195	804	0.92	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	13	24	0	34	63	5	0	38	30	207	609	0.70	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	27	23	0	26	70	4	0	42	27	219	402	0.46	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	0	0	0	17	22	0	23	55	7	0	29	30	183	183	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:15 PM - 07:30 PM
07:30 PM - 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:30 PM - 07:45 PM
07:45 PM - 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	07:45 PM - 08:00 PM
08:00 PM - 08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	08:00 PM - 08:15 PM
08:15 PM - 08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			08:15 PM - 08:30 PM
08:30 PM - 08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			08:30 PM - 08:45 PM
08:45 PM - 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0			08:45 PM - 09:00 PM
PM TOTAL	**0**	**0**	**0**	**96**	**128**	**0**	**165**	**379**	**36**	**0**	**226**	**166**	**1196**	**831**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
	R	T	L	R	T	L	R	T	L	R	T	L				
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
05:30 PM - 05:45 PM	0	0	0	16	19	0	24	58	7	0	44	27	195	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	0	0	0	13	24	0	34	63	5	0	38	30	207	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	0	0	0	27	23	0	26	70	4	0	42	27	219	---	---	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	0	0	0	17	22	0	23	55	7	0	29	30	183	---	---	06:15 PM - 06:30 PM
TOTAL	**0**	**0**	**0**	**73**	**88**	**0**	**107**	**246**	**23**	**0**	**153**	**114**	**804**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	0
DEPART:	0
WB	
APPROACH:	161
DEPART:	111
NB	
APPROACH:	376
DEPART:	433
EB	
APPROACH:	267
DEPART:	260

Intersection Traffic Volume Counts and Peak Hour Volume

AM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Gary Duncan
PROJECT NO.	1634-005	**DAY & DATE:**	Thursday March 18, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:**

NB. APPROACH: 21st Street
SB. APPROACH: 21st Street
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

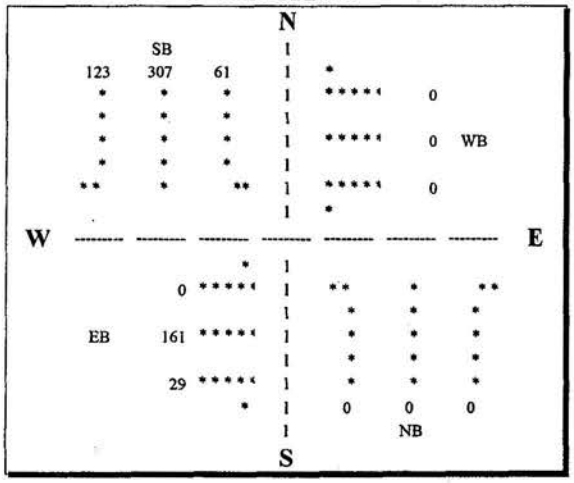
AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
06:00 AM - 06:15 AM													0	60	0.25	06:00 AM - 06:15 AM
06:15 AM - 06:30 AM													0	136	0.45	06:15 AM - 06:30 AM
06:30 AM - 06:45 AM													0	233	0.60	06:30 AM - 06:45 AM
06:45 AM - 07:00 AM	11	28	3							8	10		60	321	0.83	06:45 AM - 07:00 AM
07:00 AM - 07:15 AM	17	34	11							0	14		76	332	0.86	07:00 AM - 07:15 AM
07:15 AM - 07:30 AM	19	43	9							9	17		97	427	0.62	07:15 AM - 07:30 AM
07:30 AM - 07:45 AM	15	44	10							5	14		88	504	0.72	07:30 AM - 07:45 AM
07:45 AM - 08:00 AM	13	37	8							4	9		71	583	0.84	07:45 AM - 08:00 AM
08:00 AM - 08:15 AM	25	93	22							6	25		171	711	0.89	08:00 AM - 08:15 AM
08:15 AM - 08:30 AM	26	87	17							6	38		174	681	0.86	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	32	82	15							3	35		167	656	0.82	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	36	75	15							12	61		199	489	0.61	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	29	63	14							8	27		141	290	0.49	09:00 AM - 09:15 AM
09:15 AM - 09:30 AM	23	49	13							12	52		149	149	0.25	09:15 AM - 09:30 AM
09:30 AM - 09:45 AM													0	0	NA	09:30 AM - 09:45 AM
09:45 AM - 10:00 AM													0	0	NA	09:45 AM - 10:00 AM
10:00 AM - 10:15 AM													0	0	NA	10:00 AM - 10:15 AM
10:15 AM - 10:30 AM													0	0	NA	10:15 AM - 10:30 AM
10:30 AM - 10:45 AM													0	0	NA	10:30 AM - 10:45 AM
10:45 AM - 11:00 AM													0	0	NA	10:45 AM - 11:00 AM
11:00 AM - 11:15 AM													0	0	NA	11:00 AM - 11:15 AM
11:15 AM - 11:30 AM													0		0.25	11:15 AM - 11:30 AM
11:30 AM - 11:45 AM													0		0.25	11:30 AM - 11:45 AM
11:45 AM - 12:00 PM													0		0.25	11:45 AM - 12:00 PM
AM TOTAL	**246**	**635**	**137**	**0**	**0**	**0**	**0**	**0**	**0**	**73**	**302**	**0**	**1393**	**711**		**AM TOTAL**

PEAK HOUR VOLUMES

AM	Southbound			Westbound			Northbound			Eastbound			TOTAL	HOURLY		AM
	R	T	L	R	T	L	R	T	L	R	T	L	VEH.	TOTAL	PHF	
MOVEMENT #	1	2	3	4	5	6	7	8	9	10	11	12				
08:15 AM - 08:30 AM	26	87	17	0	0	0	0	0	0	6	38	0	174	---	---	08:15 AM - 08:30 AM
08:30 AM - 08:45 AM	32	82	15	0	0	0	0	0	0	3	35	0	167	---	---	08:30 AM - 08:45 AM
08:45 AM - 09:00 AM	36	75	15	0	0	0	0	0	0	12	61	0	199	---	---	08:45 AM - 09:00 AM
09:00 AM - 09:15 AM	29	63	14	0	0	0	0	0	0	8	27	0	141	---	---	09:00 AM - 09:15 AM
TOTAL	**123**	**307**	**61**	**0**	**0**	**0**	**0**	**0**	**0**	**29**	**161**	**0**	**681**	**0**		**AM TOTAL**

AM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB		
	APPROACH:	491
	DEPART:	336
WB		
	APPROACH:	0
	DEPART:	123
NB		
	APPROACH:	0
	DEPART:	0
EB		
	APPROACH:	190
	DEPART:	222

Intersection Traffic Volume Counts and Peak Hour Volume

PM
PEAK HOUR

JOB NAME:	GWU/Foggy Bottom	**COUNTED BY:**	Gary Duncan
PROJECT NO.	1634-005	**DAY & DATE:**	Thursady, March 18, 1999
LOCATION:	Foggy Bottom		**INTERVAL:** 15 min
CITY/COUNTY:	Washington, DC	**STATE:**	**WEATHER:**

NB. APPROACH: 21st Street
SB. APPROACH: 21st Street
EB. APPROACH: Eye Street
WB. APPROACH: Eye Street

COUNTS

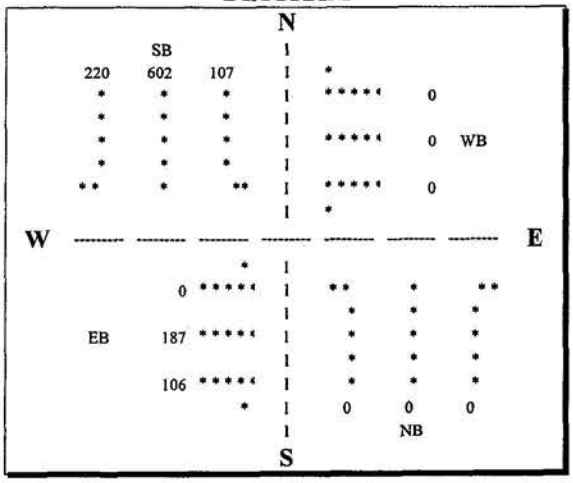
PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
MOVEMENT #	R 1	T 2	L 3	R 4	T 5	L 6	R 7	T 8	L 9	R 10	T 11	L 12				
04:00 PM - 04:15 PM													0	570	0.49	04:00 PM - 04:15 PM
04:15 PM - 04:30 PM													0	821	0.71	04:15 PM - 04:30 PM
04:30 PM - 04:45 PM	35	109	29							44	65		282	1199	0.79	04:30 PM - 04:45 PM
04:45 PM - 05:00 PM	46	149	21							29	43		288	1230	0.81	04:45 PM - 05:00 PM
05:00 PM - 05:15 PM	51	155	15							12	18		251	1211	0.80	05:00 PM - 05:15 PM
05:15 PM - 05:30 PM	64	173	32							38	71		378	1222	0.81	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	58	154	24							30	47		313	1112	0.89	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	52	143	20							20	34		269	799	0.74	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	46	132	31							18	35		262	530	0.49	06:00 PM - 06:15 PM
06:15 PM - 06:30 PM	41	118	28							37	44		268	268	0.25	06:15 PM - 06:30 PM
06:30 PM - 06:45 PM													0	0	NA	06:30 PM - 06:45 PM
06:45 PM - 07:00 PM													0	0	NA	06:45 PM - 07:00 PM
07:00 PM - 07:15 PM													0	0	NA	07:00 PM - 07:15 PM
07:15 PM - 07:30 PM													0	0	NA	07:15 PM - 07:30 PM
07:30 PM - 07:45 PM													0	0	NA	07:30 PM - 07:45 PM
07:45 PM - 08:00 PM													0	0	NA	07:45 PM - 08:00 PM
08:00 PM - 08:15 PM													0	0	NA	08:00 PM - 08:15 PM
08:15 PM - 08:30 PM													0	0	NA	08:15 PM - 08:30 PM
08:30 PM - 08:45 PM													0	0	NA	08:30 PM - 08:45 PM
08:45 PM - 09:00 PM													0	0	NA	08:45 PM - 09:00 PM
09:00 PM - 09:15 PM													0	0	NA	09:00 PM - 09:15 PM
09:15 PM - 09:30 PM													0		0.25	09:15 PM - 09:30 PM
09:30 PM - 09:45 PM													0		0.25	09:30 PM - 09:45 PM
09:45 PM - 10:00 PM													0		0.25	09:45 PM - 10:00 PM
PM TOTAL	**393**	**1133**	**200**	**0**	**0**	**0**	**0**	**0**	**0**	**228**	**357**	**0**	**2311**	**1230**		**PM TOTAL**

PEAK HOUR VOLUMES

PM	Southbound			Westbound			Northbound			Eastbound			TOTAL VEH.	HOURLY TOTAL	PHF	PM
MOVEMENT #	R 1	T 2	L 3	R 4	T 5	L 6	R 7	T 8	L 9	R 10	T 11	L 12				
05:15 PM - 05:30 PM	64	173	32	0	0	0	0	0	0	38	71	0	378	---	---	05:15 PM - 05:30 PM
05:30 PM - 05:45 PM	58	154	24	0	0	0	0	0	0	30	47	0	313	---	---	05:30 PM - 05:45 PM
05:45 PM - 06:00 PM	52	143	20	0	0	0	0	0	0	20	34	0	269	---	---	05:45 PM - 06:00 PM
06:00 PM - 06:15 PM	46	132	31	0	0	0	0	0	0	18	35	0	262	---	---	06:00 PM - 06:15 PM
TOTAL	**220**	**602**	**107**	**0**	**0**	**0**	**0**	**0**	**0**	**106**	**187**	**0**	**1222**	**0**		**PM TOTAL**

PM Peak Volumes

DIAGRAM



APPROACH/DEPARTURE VOLUMES

SB	
APPROACH:	929
DEPART:	708
WB	
APPROACH:	0
DEPART:	220
NB	
APPROACH:	0
DEPART:	0
EB	
APPROACH:	293
DEPART:	294

FUTURE TRAFFIC VOLUMES

Future Traffic Projection Calculations

Projected Volumes for East-West Streets

The 24% Projected Growth Rate was multiplied by the exisiting AM/PM traffic volumes on east-west streets.

Example: AM Volume for "G" Street: 80 X .24 = 99

Projected Volumes for North-South Streets

1) The exisiting AM/PM traffic volumes on all North-South streets within the Campus Plan Boundaries were added.

AM Total = 1,116
PM Total = 1,428

2) The sums of the AM/PM traffic volumes were multiplied by the 24% projected growth.

AM = 1,116 X .24 = 268
PM = 1,428 X .24 = 343

3) The existing AM/PM traffic volumes on the North-South streets within the Campus Plan Boundaries were added together.

North-South AM = 5,175
North-South PM = 6,776

4) Individual AM/PM traffic volumes on the North-South streets were divided by the sum (#3).

Example: AM Volume for 22nd Street North: 629 / 5,175 = 12%

5) Percentage calculated in #4 was multiplied by sum in #2.

.12 X 268 = 32

6) The projected volume calculated in #5 was added to exisiting traffic volumes to calculate the projected volumes on North-South Streets.

Example: 629 + 32 = 661

See Figure 3 for Existing Traffic Volumes; See Figure 9 for Future Traffic Volumes

ROADWAY CAPACITY CALCULATIONS

The George Washington University
Capacity Analysis

	Ideal Capacity (veh/lane/ hour)	Number of Lanes	Width Factor	Heavy Vehicle Factor	Grade Factor	Parking Lane Factor	Bus Blocking Factor	Area Type Factor	Right Turn Factor	Left Turn Factor	Saturation Flow Rate	Green Time	Link Capacity (Veh/hr)
24th Street NB	1800	1	0.93	0.99	0.98	0.95	0.96	0.9	0.99	0.91	1201	0.5	600
24th Street SB	1800	1	0.93	0.99	1.02	0.95	0.96	0.9	0.99	0.91	1250	0.5	625
23rd Street NB	1800	3	0.97	0.99	0.98	1	0.97	0.9	0.93	0.83	3425	0.5	1712
23rd Street SB	1800	3	0.97	0.99	1.02	1	0.96	0.9	0.93	0.83	3528	0.5	1764
22nd Street	1800	3	0.97	0.99	0.98	1	0.99	0.9	0.99	0.91	4079	0.5	2040
21st Street	1800	3	0.97	0.99	1.02	1	0.96	0.9	0.95	0.92	3994	0.5	1997
20th Street	1800	3	0.97	0.99	0.98	1	0.96	0.9	0.95	0.92	3838	0.5	1919
19th Street	1800	3	0.97	0.99	1.02	1	0.96	0.9	0.96	0.92	4036	0.5	2018
Eye Street	1800	1	0.93	0.98	1	0.96	0.96	0.9	0.91	0.83	1028	0.4	411
H Street	1800	1	0.93	0.98	1	0.96	0.96	0.9	0.91	0.83	1028	0.4	411
G Street	1800	1	0.93	0.98	1	0.96	0.96	0.9	0.93	0.88	1114	0.4	445
F Street	1800	1	0.93	0.98	1	0.96	0.96	0.9	0.95	0.88	1138	0.4	455

CURRENT PARKING SPACE ALLOCATION TABLE

Current Parking Space Allocation Table

Lot Number	Lot Name	Total # of Spaces	Visitor Spaces	Fac/Staff Spaces	Student Spaces
1	2116 G Street	34	0	34	0
2	Kennedy/Onnasis	18	0	18	0
3	20th & H Lot	59	0	59	0
4	Academy Center Lot	283	0	283	0
6	New Hall Garage	59	0	59	0
7	ACC Garage	109	96	13	0
10	Warwick Lot	24	0	24	0
12	730 22nd Street	104	0	104	0
14	Ross Hall Garage	181	0	181	0
16	Funger Hall Garage	138	0	138	0
18	Smith Center Lot	45	0	45	0
UPG	University Parking Garage	1060	250	404	406
MC	Marvin Center Garage	308	65	0	243
Lot A	Support Building Lot	159	0	60	99
Riverside	Riverside Towers Lot	5	0	5	0
Lisner	Rear of Lisner Auditorium	1	0	1	0
EE	Rear of Rice	2	0	2	0
KC	Kennedy Center Parking	150	0	150	0
	TOTAL	2739	411	1580	748

PARKING OCCUPANCY SURVEY RESULTS

The George Washington University
Parking Occupancy

Lot Number	Lot Name	Total # of Spaces	Monday April 19, 1999				Tuesday April 20, 1999				Wednesday April 21, 1999				Thursday April 22, 1999				Friday April 30, 1999			
			9 AM	11 AM	2 PM	5 PM	9 AM	11 AM	2 PM	5 PM	9 AM	11 AM	2 PM	5 PM	9 AM	11 AM	2 PM	5 PM	9 AM	11 AM	2 PM	5 PM
1	2116 G St. (lot 1)	34	10	22	26	13	10	20	24	11	6	18	23	19	7	19	26	21	6	15	25	14
2	Kennedy/Onasis	18	7	9	10	4	11	11	12	7	10	12	12	11	10	11	12	7	0	11	10	7
3	20th & H (lot 3)	59	14	59	62	47	16	57	66	45	15	64	68	46	15	58	70	48	14	52	52	40
4	Acad. Center Garage	215	75	206	202	118	114	198	211	139	84	209	211	136	85	207	189	117	80	202	187	105
6	New Hall Garage	59	24	42	45	34	45	46	44	32	22	47	*47*	31	28	46	42	23	21	35	34	16
7	ACC Garage	109	15	60	*75*	*46*	13	70	79	44	18	70	77	49	14	78	69	45	10	75	63	30
9	21st & H St. (lot 9)	53	18	42	35	18	20	36	37	26	19	31	41	44	18	38	39	31	19	34	32	16
10	Warwick (lot 10)	24	7	13	13	6	9	17	15	14	8	15	15	8	8	12	16	10	6	14	11	5
11	Medical Resident	195	123	163	149	130	96	144	156	137	146	175	176	144	140	161	153	155	16	140	147	135
12	730 22nd St.	92	10	66	70	60	23	73	73	55	30	65	70	55	35	74	74	55	40	70	66	39
13	Att. Physicians	70	31	54	50	47	31	53	54	48	54	62	58	42	36	56	54	40	32	47	53	40
14	Ross Hall Garage	152	72	108	112	64	94	147	127	67	57	141	*127*	66	56	136	117	57	60	104	102	56
16	Funger Hall Garage	125	16	91	99	73	44	93	59	47	68	85	108	81	69	86	95	70	41	78	79	39
17	22nd & I St.	9	0	3	4	7	3	4	6	6	1	2	4	6	2	4	5	6	0	2	3	2
18	Smith Center	45	15	30	34	31	20	37	38	29	18	34	32	28	18	33	28	20	20	31	30	4
UPG	University Parking Garage	1060	324	975	990	756	420	995	1025	801	383	972	985	865	508	1009	1038	876	298	781	848	691
MC	Marvin Center Garage	183	26	102	*180*	*150*	18	158	237	74	21	157	251	172	19	166	178	151	12	87	110	98
A	Support Building	159	69	130	*130*	*95*	72	113	127	94	71	132	130	98	69	127	123	84	62	92	110	82
Riverside	Riverside Towers	5	1	2	1	1	1	2	1	1	0	1	2	1	0	1	1	0	0	1	1	2
	TOTAL	**2666**	**857**	**2177**	**2287**	**1700**	**1060**	**2274**	**2391**	**1677**	**1031**	**2292**	**2437**	**1902**	**1137**	**2322**	**2329**	**1816**	**737**	**1871**	**1963**	**1421**
	Occupancy		32.1%	81.7%	85.8%	63.8%	39.8%	85.3%	89.7%	62.9%	38.7%	86.0%	91.4%	71.3%	42.6%	87.1%	87.4%	68.1%	27.6%	70.2%	73.6%	53.3%

NATIONAL PARKING RATIO SURVEY RESULTS

Comparison of Urban Universities

	Students (FTE)	Faculty/Staff	Student Parking Spaces	Faculty/ Staff Parking Spaces	Visitor Spaces	Total Spaces
American University	9,802	1,800	N/A	N/A	N/A	2,385
Boston University	30000+	8,171	1,733	1,407	329	3,469
Brown	6,900	2,994	N/A	N/A	N/A	2,000
Catholic	5,600	1,423	N/A	N/A	N/A	1,100
Columbia University	20,438	1,300	0	300	0	300
DePaul University	18,000	1,193	820	358	N/A	1,178
Georgia Tech	13,086	4,000	10,300 total		289	10,589
GWU - Foggy Bottom	13,786	8,155	748	1,619	411	2,778
Howard University	11,200	5,571	500	1,820	N/A	2,320
NYU	36000+	12,000	0	0	0	0
University of Chicago	11,185	13,649			meters	1,570
UPenn	20,000	22,934				5,900

University:	Parking Spaces per Student:	Parking Spaces per Faculty/ Staff:	Total Parking Spaces per Person:	Additional Notes:
American University	N/A	N/A	0.2056	Walking distance to Metro; AUTO shuttle buses will transport you from the Metro station as well
Boston University	0.0578	0.1722	0.0909	Amtrak & buses are widely used
Brown	N/A	N/A	0.2021	14% of the on-campus students have cars; There is a big parking problem there
Catholic	N/A	N/A	0.1566	Walking distance to Metro; Parking is all first-come, first-serve; Faculty/staff use the metro more than students, especially since they're starting to subsidize metro for faculty/staff
Columbia University	0.0000	0.2308	0.0138	Students are not able to park during the day at all; NY transit & buses run between their campuses; Subway is widely used by students
DePaul University	0.0456	0.3001	0.0614	Subway station close by is widely used; There is no designation for students versus faculty/staff
Georgia Tech	no data	no data	0.6197	shuttle from the midtown MARTA (Atlanta's Subway)
GWU - Foggy Bottom	0.0543	0.1937	0.1248	Walking distance to Metro
Howard University	0.0446	0.3267	0.1383	"Satellite Campus Connector" connects their campuses; Visitor parking is limited; Student pass costs $120/yr & is done with a lottery; They are working on developing programs to encourage students to use public transportation; They're about to lose even more spaces due to construction; HUBS is school bus service; Metro
NYU	0.0000	0.0000	0.0000	The University has no spaces at all, so the students must use private garages in the city- some give NYU discounts; There is a shuttle service between the campuses; Subways and commuter trains are widely used
University of Chicago	no data	no data	0.0632	Visitors spots are all metered; There is no distinction between student, faculty, staff spaces; Buses & trains are commonly used
UPenn	no data	no data	0.1374	University offers Trail Pass 10% discount; Subway, train, & trolley stations are nearby; They also have Campus Connectors; The hospital has its own parking garage

Average	**0.0169**	**0.1020**	**0.1512**
Maximum	**0.0578**	**0.3267**	**0.6197**
Minimum	**0.0000**	**0.0000**	**0.0000**
GWU - Foggy Bottom	**0.0543**	**0.1937**	**0.1248**

N/A = University does not designate spaces for students versus faculty/staff
no data = Unable to obtain data regarding number of parking spaces reserved or number of permits issued to students versus faculty/staff

PROJECTED PARKING CALCULATIONS

Projected Parking Calculations

Current Parking Inventory

	Parking Allocation	Percent
Student	748	27%
Faculty/Staff*	1580	58%
Visitor	411	15%
Total	2739	100%

** Includes Kennedy Center Spaces*

Existing Peak Parking Demand (on-campus)	100%	2437
Student Estimate	27%	658
Faculty/Staff Estimate	58%	1413
Visitor Estimate	15%	366
*Kennedy Center***		*40*

*** Demand at Kennedy Center during a peak day*

Projected Parking Demand

	Growth Rate (due to population increase)	Existing Peak Parking Demand	Projected Increase
Increase due to students	20%	658	132
Increase due to faculty/staff	29%	1413	410
Increase due to visitors	19%	366	70

Campus Plan Development Parking Projections	
Exisiting Peak Parking Demand	2437
Kennedy Center Peak Parking Demand	40
Increase due to students	132
Increase due to faculty/staff	410
Increase due to visitors	70
Subtotal	3,089
10% Increase to allow for turnover and easy location of spaces	309
5% Reduction for TMP programs	-154
Total	3,244