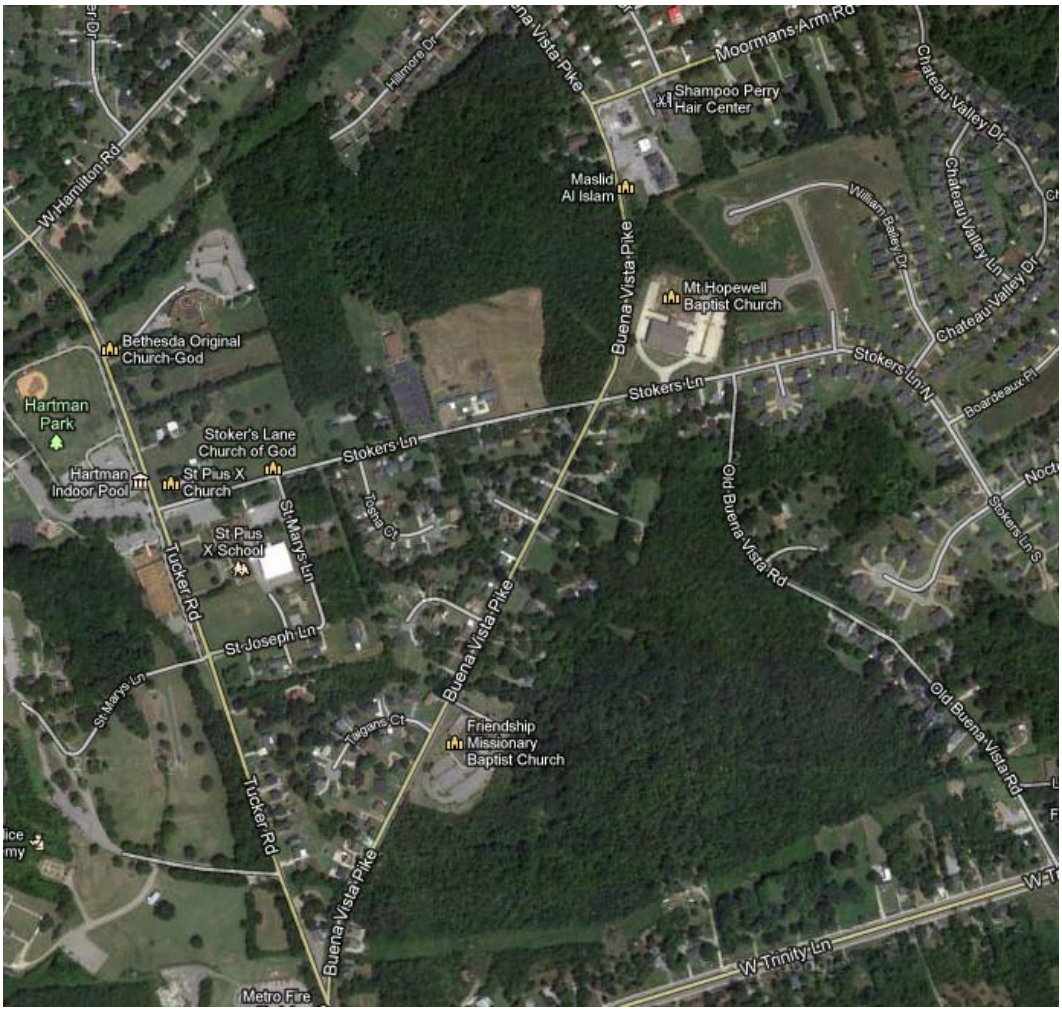
TRAFFIC ENGINEERING STAFF REPORT FOR
THE TRAFFIC AND PARKING COMMISSION
(August 13, 2012)

APPEAL ITEM #1

Appeal denial of a traffic signal at the intersection of Buena Vista Pike at Stokers Lane.

DISCUSSION

Buena Vista Pike is a collector street that intersects with Stokers Lane, a very low volume residential street in a single-family residential neighborhood east and west of Buena Vista Pike. This intersection is currently controlled by stop signs on Stokers Lane. The minimum sight distance for a stop control with a 40 mph speed limit is 400 feet. The available sight distance for motorists stopped on Stokers Lane meets this standard except for one approach to the intersection. The accident history obtained for Buena Vista Pike and Stokers Lane indicated seven accidents were reported at this intersection within the last three years.



A traffic signal should not be installed unless an engineering study indicates that a signal would improve the overall safety or efficiency of the intersection. A crash history during the period from July 2009 through July 2012 revealed seven crashes of a type that may be reduced by signal control. According to the national guidelines, an average of 5 such crashes per year may indicate the need for a signal. Since traffic signals often result in an increase in other types of crashes, especially the rear end type, the total crash rate at this location might actually increase with a signal.

A traffic signal may also be considered where traffic on the principal street is so heavy that minor street traffic suffers excessive delay or conflict in entering or crossing the intersection. To meet this requirement, there should be a volume of at least 75 vehicles per hour, sustained over a period of eight hours, attempting to enter from the side street. Since the highest recorded peak hour (24-hour machine traffic count) was only 68 vehicles exiting Stokers Lane onto Buena Vista Pike, the traffic volume warrant was not met.

Based on the good safety record and the relatively low traffic volume on the Stokers Lane, a traffic signal is not recommended at this intersection.

INTERSECTION DATA

Buena Vista Pike 24-hour volume = 6,719 (86%)
Stokers Lane 24-hour volume = 1,132 (14%)
Sight distance: Meets recommended standard of 400 feet for 40 mph roadway except on one approach to the intersection.
Accidents correctable by a traffic signal= 7 since 7/01/2009 through 7/01/2012

TRAFFIC ENGINEERING STAFF REPORT FOR
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NEW BUSINESS ITEM # 1 – Proposal #2012M-009AB-001

A request to abandon a portion of Saunders Court (easements and utilities to be retained) from Saunders Avenue eastward to its terminus.

Requested By: State of Tennessee, abutting property owner. Council District 8

STAFF RECOMMENDATION

The staff is recommending approval.

DISCUSSION

Saunders Court from the intersection of Saunders Avenue eastward to its terminus is paved and is used by adjacent property owners. Metro Public Works has no plans to utilize this land for traffic purposes.

COUNCIL BILL STATUS

A Council Bill has not been filed for the August 7, 2012 Metro Council meeting date. The Planning Department administratively approved this mandatory referral on July 17, 2012.

TRAFFIC ENGINEERING STAFF REPORT FOR
THE TRAFFIC AND PARKING COMMISSION

NEW BUSINESS ITEM # 2 – Proposal #2012M-010AB-001

A request to abandon a portion of Cherrywood Drive (easements and utilities to be retained) adjacent to property located at 476 McMurray Drive, (0.02 acres).
Requested By: St. Mina Coptic Church, abutting property owner. Council District 27

STAFF RECOMMENDATION

The staff is recommending approval.

DISCUSSION

The portion of Cherrywood Drive to be abandoned is paved and is used by St. Mina Coptic Church. Metro Public Works has no plans to utilize this land for traffic purposes.

COUNCIL BILL STATUS

A Council Bill has not been filed for the August 7, 2012 Metro Council meeting date. The Planning Department administratively approved this mandatory referral on July 17, 2012.

TRAFFIC ENGINEERING STAFF REPORT FOR
THE TRAFFIC AND PARKING COMMISSION

NEW BUSINESS ITEM # 3 – Proposal #2012M-011AB-001

A request to abandon a portion of Franklin Street (easements and utilities to be abandoned and relocated) adjacent to property located at 400 5th Avenue South, (0.014 acres). Requested By: Barge, Waggoner, Sumner & Cannon Inc., applicant, Fifth Avenue Land Investments GP, abutting property owner. Council District 19

STAFF RECOMMENDATION

The staff is recommending approval.

DISCUSSION

The portion of Franklin Street to be abandoned is unpaved and is adjacent to a parking lot. Metro Public Works has no plans to utilize this land for traffic purposes.

COUNCIL BILL STATUS

A Council Bill has not been filed for the August 7, 2012 Metro Council meeting date. The Planning Department administratively approved this mandatory referral on July 24, 2012.

KARL F. DEAN
MAYOR

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
750 SOUTH FIFTH STREET
NASHVILLE, TENNESSEE 37206
615-862-8760

August 7, 2012
MEMORANDUM:

TO: Randy Lovett, Acting Director of Public Works

VIA: Mark Macy, Engineering Director

FROM: Walter Knauf, Traffic Engineer

RE: Traffic Engineering activity report for July 2012

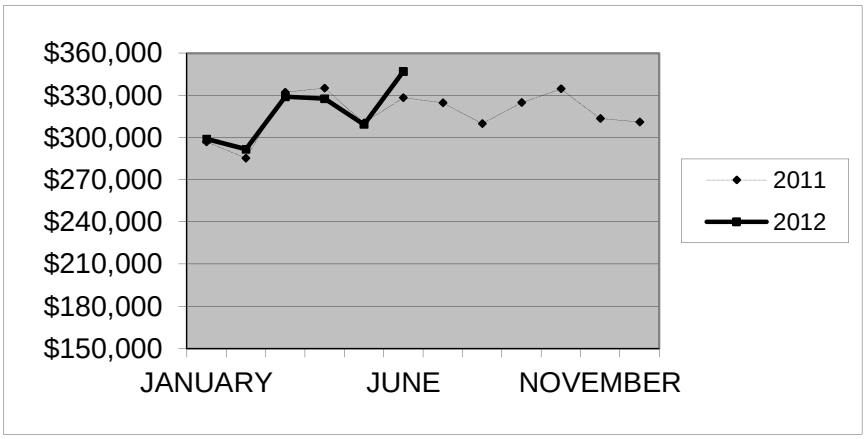
	Completed (month)	Completed (YTD)
Engineering Studies:	356	1515
Design review:	5	28

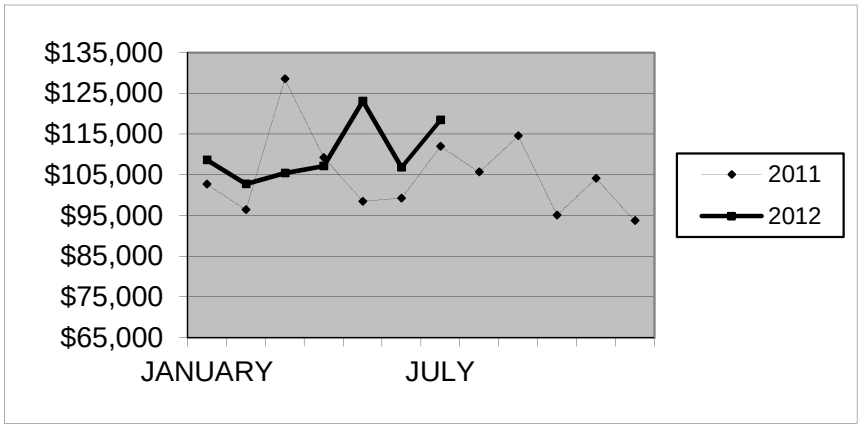
METROPOLITAN DEPARTMENT OF PUBLIC WORKS
PARKING DIVISION

Jul-12

GARAGE REVENUE

	2011	2012
JANUARY	$297,007	$299,069
FEBRUARY	$285,464	$291,783
MARCH	$332,247	$329,056
APRIL	$335,274	$327,742
MAY	$310,331	$309,382
JUNE	$328,456	$347,082
JULY	$324,796	
AUGUST	$310,010	
SEPTEMBER	$324,844	
OCTOBER	$334,641	
NOVEMBER	$313,658	
DECEMBER	$311,003	
TOTAL:	$3,807,731	$1,904,114



METER REVENUE

	2011	2012
JANUARY	$102,696	$108,658
FEBRUARY	$96,418	$102,749
MARCH	$128,548	$105,435
APRIL	$109,244	$107,144
MAY	$98,495	$123,102
JUNE	$99,265	$106,855
JULY	$111,945	$118,483
AUGUST	$105,671	
SEPTEMBER	$114,534	
OCTOBER	$95,107	
NOVEMBER	$104,119	
DECEMBER	$93,756	
TOTAL:	$1,259,800	$772,427