

ORIGINAL

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

SPRINGFIELD TOWNSHIP,  
SANGAMON COUNTY, ILLINOIS  
Petitioner

T99-0085

v.

MIDLAND AND ILLINOIS  
RAILROAD, a corporation and  
STATE OF ILLINOIS, ACTING  
THROUGH ILLINOIS DEPARTMENT  
OF TRANSPORTATION,  
Respondents,

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
JUL 23 10 57 AM '99  
TRANSPORTATION DIV.

PETITION

IN THE MATTER OF THE PETITION OF SPRINGFIELD TOWNSHIP, SANGAMON COUNTY, ILLINOIS FOR AN ORDER OF THE ILLINOIS COMMERCE COMMISSION DIRECTING THE INSTALLATION OF GRADE CROSSING PROTECTION DEVICES AT MIDLAND AND ILLINOIS RAILROAD GRADE CROSSING AT TAINTOR ROAD (EAST OF PEORIA ROAD) SITUATED IN SANGAMON COUNTY, ILLINOIS, AND FOR SUCH OTHER APPROPRIATE RELIEF AS THE COMMISSION MAY DEED NECESSARY

TO: ILLINOIS COMMERCE COMMISSION

Springfield Township, a township situated in Sangamon County, Illinois (hereinafter called "Petitioner") by and through its attorneys, Sorling, Northrup, Hanna, Cullen and Cochran, Ltd., Michael A. Myers, on of its attorneys, and respectfully represents:

1. Petitioner is a legally organized township situated in Sangamon County, Illinois, with its principal office located at 2424 Sandhill Road, Springfield, IL 62707.

DOCKETED

2. Respondents are Illinois & Midland Railroad, whose address is c/o Raquel Swain, Vice President, P.O. Box 139, Springfield, IL 62705, and the Kirk Brown, Secretary of Illinois Department of Transportation, 2300 South Dirksen Parkway, Springfield, IL 62703.

3. A single railroad line of Illinois Midland Railroad extends in a north/south direction across Taintor Road east of Peoria Road in Sangamon County, Illinois. Respondent operates at least two freight trains a day over the above-mentioned public railroad crossing. The crossing became public pursuant to a 1979 order of the Illinois Commerce Commission (Docket No. 79-0402). The order described the public grade crossing as located at railroad mile post 84.3.

4. Southfork Development is a company who develops mobile home parks throughout the United States. Southfork is the owner of 75.13 acres on which it desires to develop a modern mobile home park with approximately 424 single family lots, along with amenities such as bike paths, swimming pool, and clubhouse. An aerial photo of the location of the proposed site is attached as Exhibit 1. Southfork is in the process of receiving approval from the City of Springfield, Illinois to develop the property pursuant to Springfield's large scale development ordinance. Southfork as part of the required subdivision process will upgrade Taintor Road east of Peoria Road pursuant to the road construction requirements of the City of Springfield. The development known as Lincolnwood Mobile Home Park will have two public roadway access points, with Taintor Road being the most heavily traveled. It is estimated that the average daily traffic (ADT) for the Taintor Road entrance will be approximately 1,520 vehicles per day. (Traffic Impact Study - Exhibit 2).

5. There will be a need for automatic flashing light signals and gate arms at this location and it is in the best interest of the public safety, convenience, and necessity that automatic signals be installed at the Taintor Road railroad crossing.

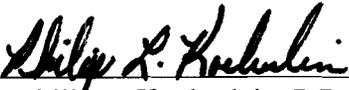
6. In view of the volume of vehicular traffic passing over aforesaid grade railroad crossing, the Illinois Department of Transportation should be directed to pay from the grade crossing protection fund as set forth in the Motor Fuel Tax Law, the maximum amount as provided by law, based upon traffic considerations, for installation of flashing light signals and gate arms or other relief as required by this Commission.

7. Any cost of construction, including engineering fees, not reimbursed by the Grade Crossing Protection Fund will be assumed by the Southfork Development.

WHEREFORE, Petitioner prays that this Commission set a date certain for hearing upon this Petition causing due notice to all necessary parties. Petitioner further prays that an order be entered as being in the public interest directing the Respondents to install at Taintor Road (east of Peoria Road at mile post 84.3) and thereafter maintain railroad crossing signal protection devices as specified in this petition and conforming to the Commission rules; requiring the Secretary of Transportation of the State of Illinois to pay from the Grade Crossing Protection Fund a portion of the cost of the improvements ordered and requiring Southfork Development to assume the balance of the cost; and to grant such other further relief as this Commission may deem appropriate.

Dated in Springfield, Sangamon County, Illinois on this 22<sup>nd</sup> day of July, 1999.

Springfield Township, an Illinois Township

By:   
Philip L. Koeberlein, P.E.

Title: Sangamon County Engineer - on behalf  
of Joe Chernis  
Springfield Township Road Commissioner

Attorney for Petitioner:

Sorling, Northrup, Hanna, Cullen  
and Cochran, Ltd.

Michael A. Myers, of Counsel  
Suite 800 Illinois Building  
P. O. Box 5131  
Springfield, IL 62705  
Telephone: (217) 544-1144

0204932.005

7/20/1999MAMllj

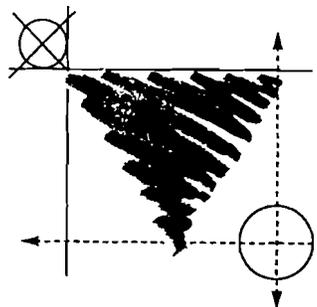


TRAFFIC IMPACT STUDY  
FOR  
LINCOLNWOOD MOBILE HOME PARK

Springfield, Illinois

May 1998  
Revised October 1998

VEC Project No. 909-981



vasconcelles  
engineering corporation

EXHIBIT 2

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## CHAPTER 1

### Introduction

#### A. Purpose

The purpose of this report is to address the results and findings of a Traffic Impact Study for the Lincolnwood Mobile Home Park. The development is located in the Northeast Quadrant of Springfield, more specifically 75.13 acres East of Peoria Road and South of Business 55.

The study was initiated by the developer to assess the impact the development will have on traffic conditions and further assess the need to improve Taintor Road.

As a result of the findings and recommendations, the developer will know what steps should be taken so that there is adequate access to and from the Lincolnwood Mobile Home Park.

#### B. Format

For information and documentation, this report includes 7 Exhibits. The report discusses the General Purpose of the Project, Tasks Performed, and Recommendations. The Exhibits included in this report are as follows:

- EXHIBIT 1 - Site Location Map
- EXHIBIT 2 - Subdivision Layout
- EXHIBIT 3 - Existing Peak Hour Volumes
- EXHIBIT 4 - Projected Peak Hour Volumes (25% Capacity)
- EXHIBIT 5 - Projected Peak Hour Volumes (50% Capacity)
- EXHIBIT 6 - Projected Peak Hour Volumes (75% Capacity)
- EXHIBIT 7 - Projected Peak Hour Volumes (100% Capacity)

## CHAPTER 2

### EXISTING INFORMATION

#### A. General Information

The proposed development, Lincolnwood Mobile Home Park, is located East of Peoria Road and South of Business 55 in Springfield, Illinois. The Lincolnwood site consists of 75.13 acres and is currently zoned R-6 (City of Springfield Ordinance 488-9-71). The proposed layout dated 2/11/98 shows 424 single family lots. Access for the Lincolnwood Mobile Home Park will be provided by two entrances. Taintor Road will be an entrance from the west while Sycamore will be the entrance from the north. (See Exhibit 2)

#### B. Scope of Analysis

This study was conducted to assess the impact the Lincolnwood development will have on traffic conditions in the surrounding area. The scope of this traffic analysis included the following items:

1. A visual inspection of the site and area roadways to identify the existing physical and operational characteristics of the roadway system.
2. Existing traffic counts to determine Peak Hour Volumes.
3. Based on historical data for developments of this type, described in the Transportation and Traffic Engineering Handbook (TTE), the volumes of traffic that would be generated were estimated and distributed to the proposed site access driveways.
4. Based on directions of approach, the estimated site generated traffic was assigned to Peoria Road. The results of this assignment were used to analyze site access design.
5. Traffic generated during the evening peak hours was combined by with the through traffic. Pass-by traffic attracted by the site was included in the analysis.
6. Recommendations concerning the levels of improvement and access locations.

## CHAPTER 3

### Evaluation

#### A. Traffic Counts

During April Of 1998 traffic counts were completed at the intersection of Peoria Road and Taintor Road. From these counts, the peak hours were determined to be 7:30 A.M. - 8:30 A.M. and from 4:30 P.M. - 5:30 P.M. . (See Exhibit 3)

#### B. Trip Generation

For the Lincolnwood Mobile Home Park, there are 424 lots. Trip ends were calculated using the Trip Generation Manual, 5th Edition. A.M. Peak Hour Trip Ends were calculated to be  $\pm 115$ . P.M. Peak Hour Trip Ends were calculated to be  $\pm 217$ .

The directional distribution of the site generated trips was based primarily on the actual counts along Peoria Road.

Traffic Generation was analyzed for both the A.M. and P.M. Peaks and Distributed to both access points. No reduction factor was applied to any lots. Eighty percent (80%) of the trip ends were assumed to use the Taintor Road entrance.

## CHAPTER 4

### Recommendations

#### A. Conclusions:

1. Upon the Illinois Department of Transportation's and the City of Springfield's approval of the traffic projections, a capacity analysis will be completed to determine the geometrics of the Taintor Road and Peoria Road Intersection.
2. Based upon traffic projections, the Sycamore Road Intersection will add an insignificant volume of traffic and should not warrant a traffic signal.

### Assumptions

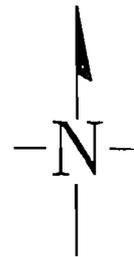
1. All projections based on the Lincolnwood Mobile Home Park being “built out” in 1998.
2. No Pass-Bye Reduction Factor was used.
3. 80% of Lincolnwood Mobile Home Park to use Taintor Road Entrance.

## References

Transportation and Traffic Engineering Handbook; 2nd Edition, Institute of Transportation Engineers.

Trip Generation; 5th Edition, Institute of Transportation Engineers.

SITE LOCATION MAP  
EXHIBIT 1



NOT TO SCALE

LINCOLNWOOD  
MOBILE HOME PARK

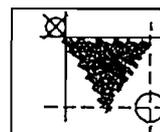


TAINTOR  
ROAD

SANGAMON  
AVENUE

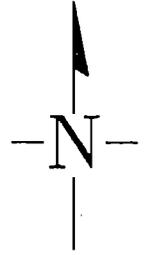


SPRINGFIELD

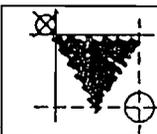
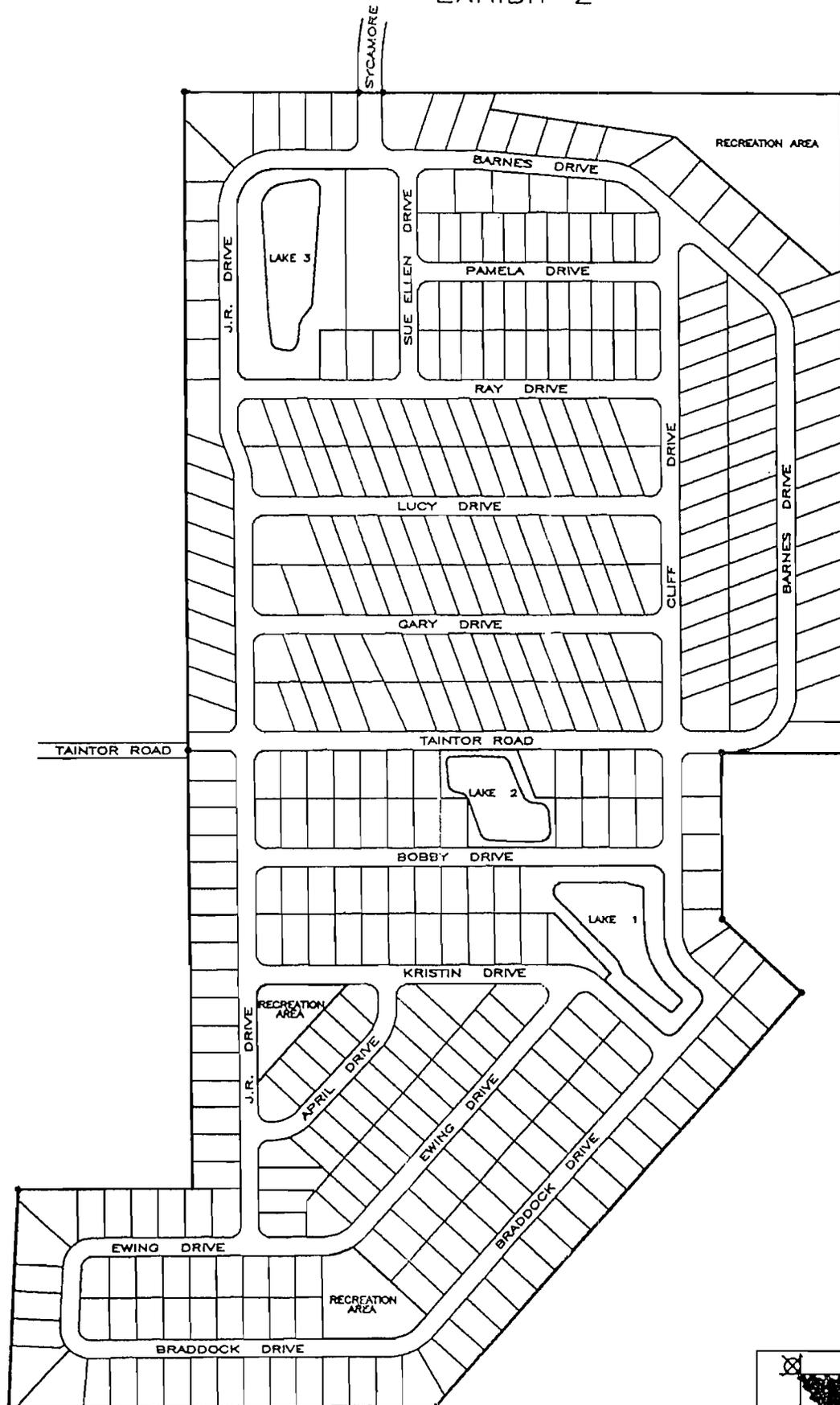


**vasconcelles**  
engineering corporation  
phone (217)698-3114

# SUBDIVISION LAYOUT EXHIBIT 2

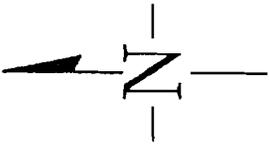


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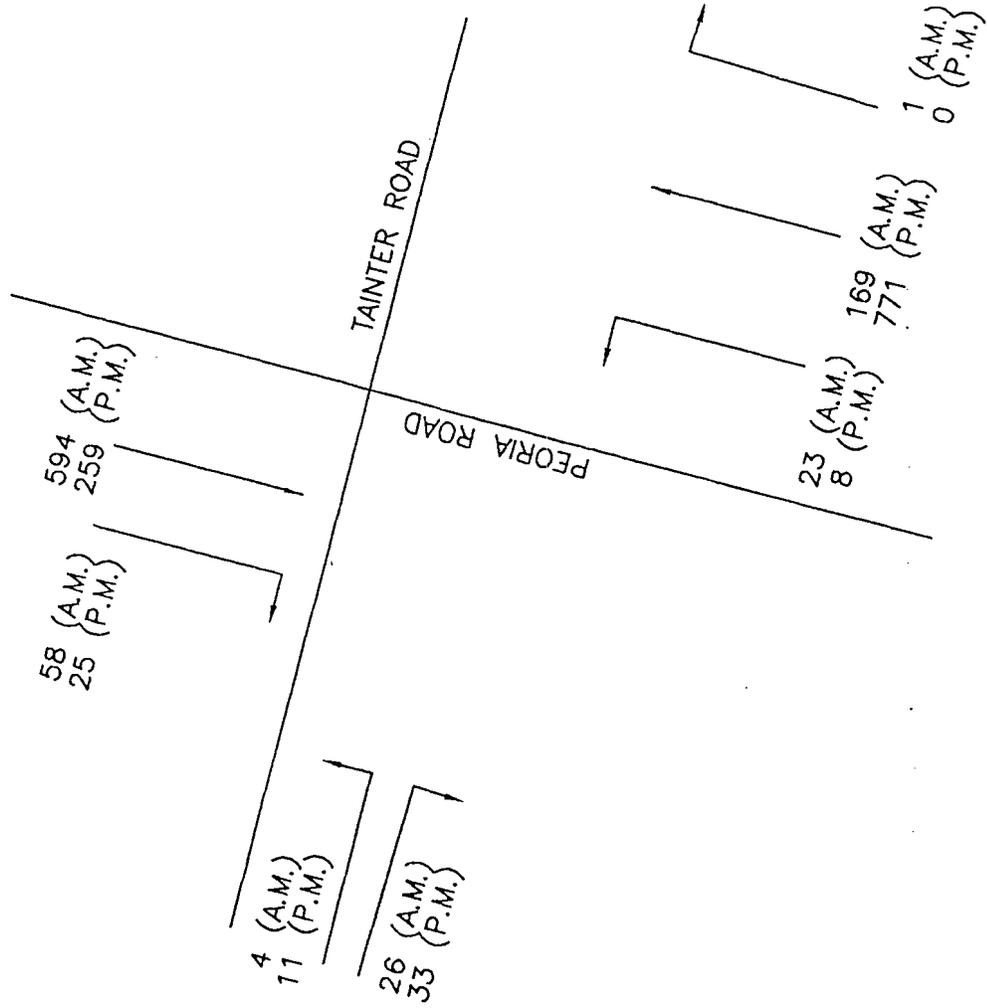


**vasconcelles**  
engineering corporation  
phone (217)698-3114

EXISTING PEAK HOUR VOLUMES  
EXHIBIT 3

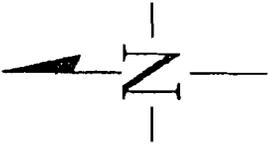


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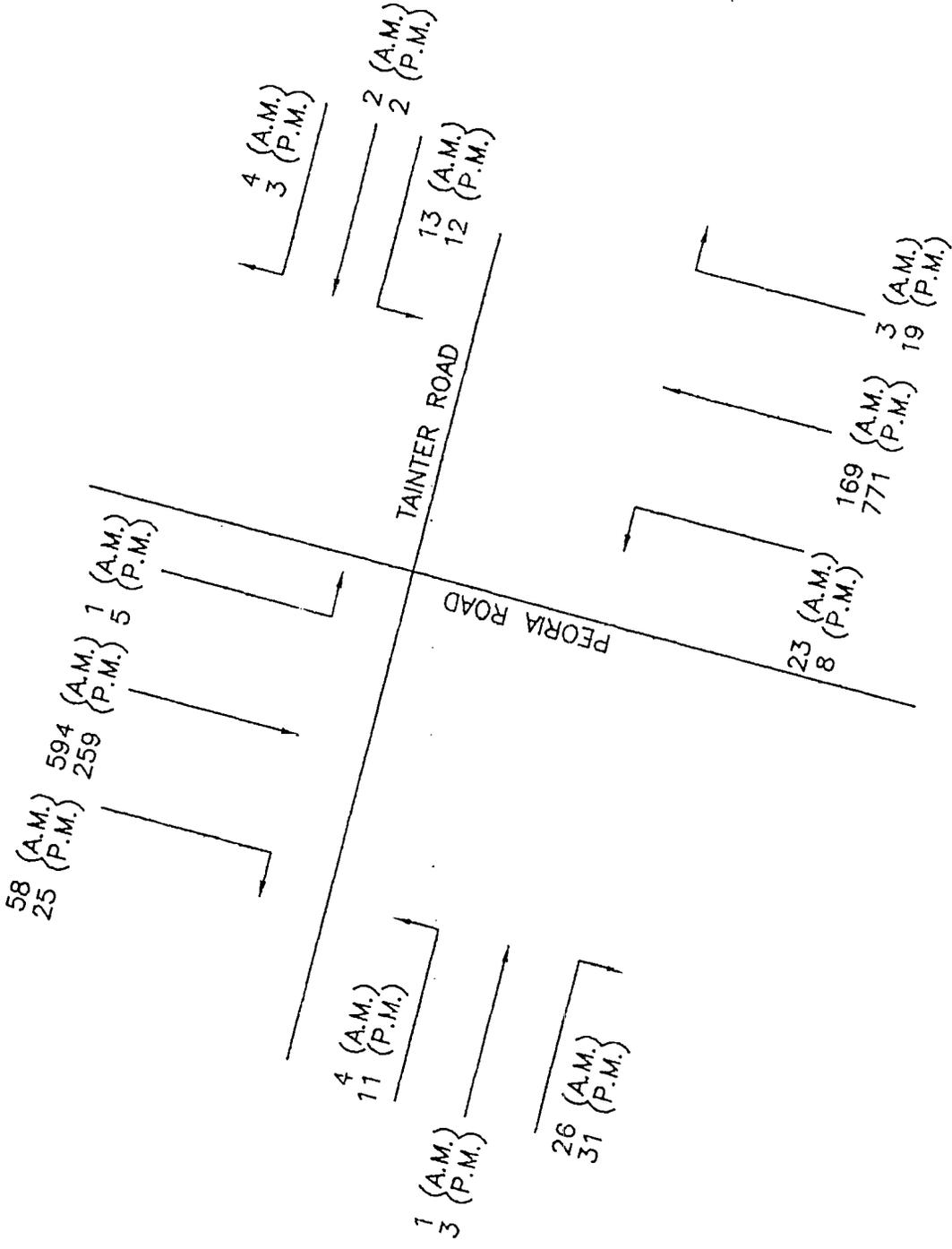


VASCONCELLES ENGINEERING CORP.  
2417 WEST WHITE OAKS DRIVE  
SRPINGFIELD, IL 62704  
PHONE (217) 698-3114  
JOB NO. 909-981

PROJECTED PEAK HOUR VOLUMES (25% CAPACITY)  
EXHIBIT 4

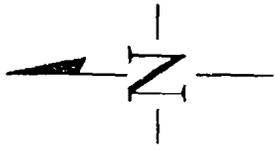


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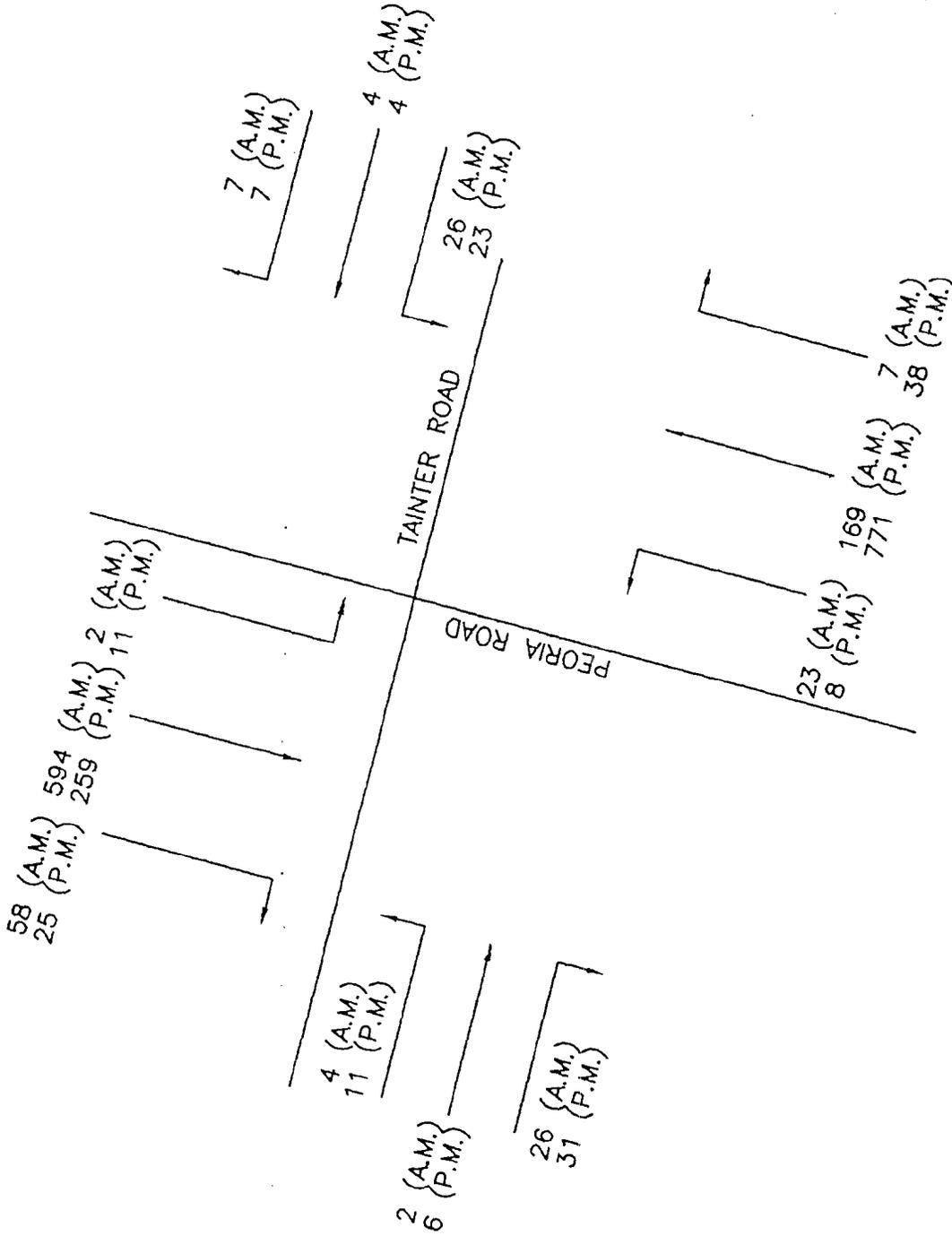


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SPRINGFIELD, IL 62704  
PHONE (217) 698-3114  
JOB NO. 909-981

PROJECTED PEAK HOUR VOLUMES (50% CAPACITY)  
EXHIBIT 5

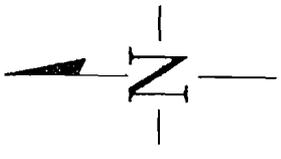


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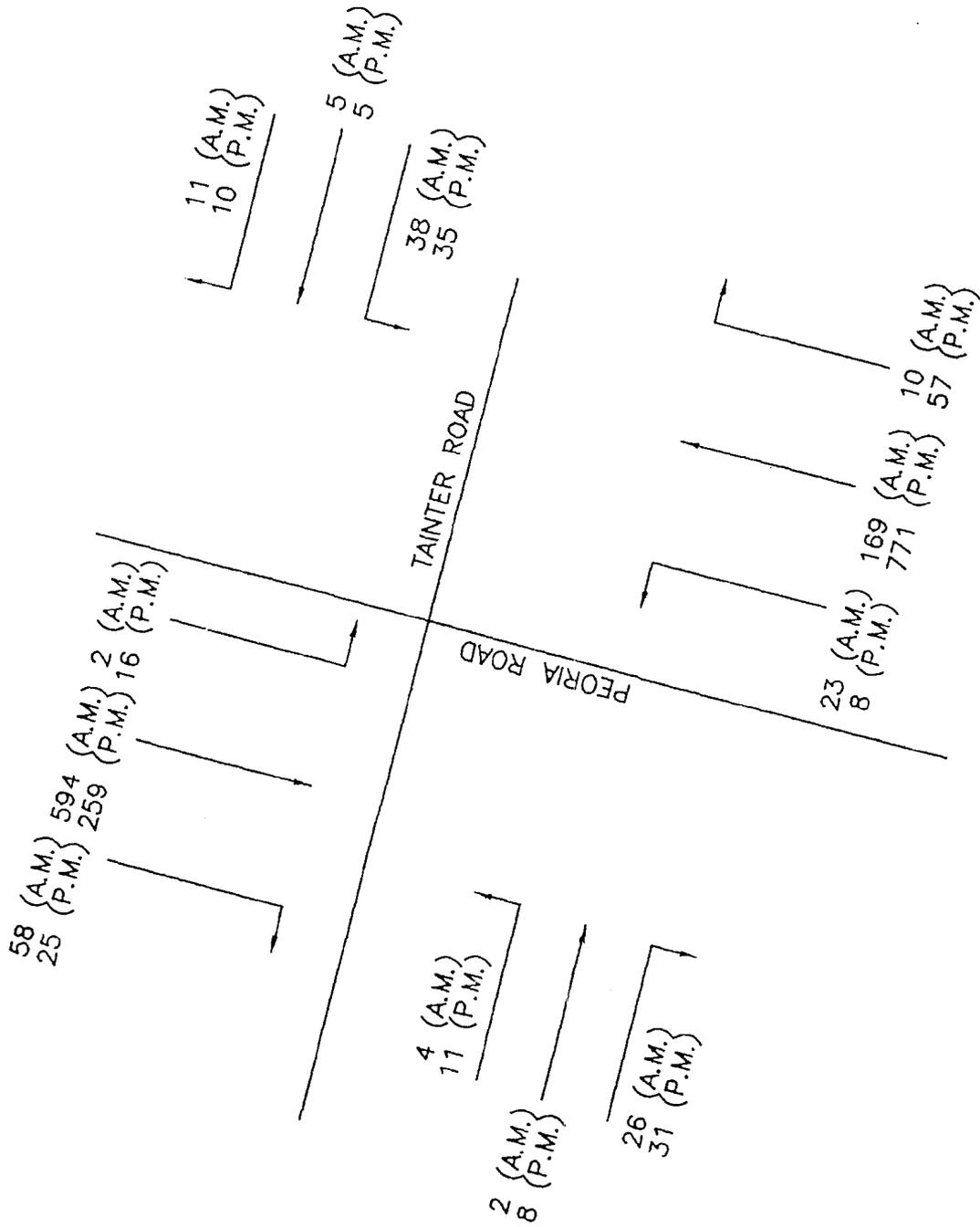


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2417 WEST WHITE OAKS DRIVE  
SRPIINGFIELD, IL 62704  
PHONE (217) 698-3114  
JOB NO. 909-981

PROJECTED PEAK HOUR VOLUMES (75% CAPACITY)  
EXHIBIT 6

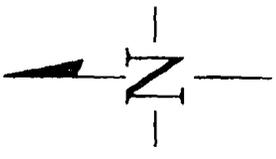


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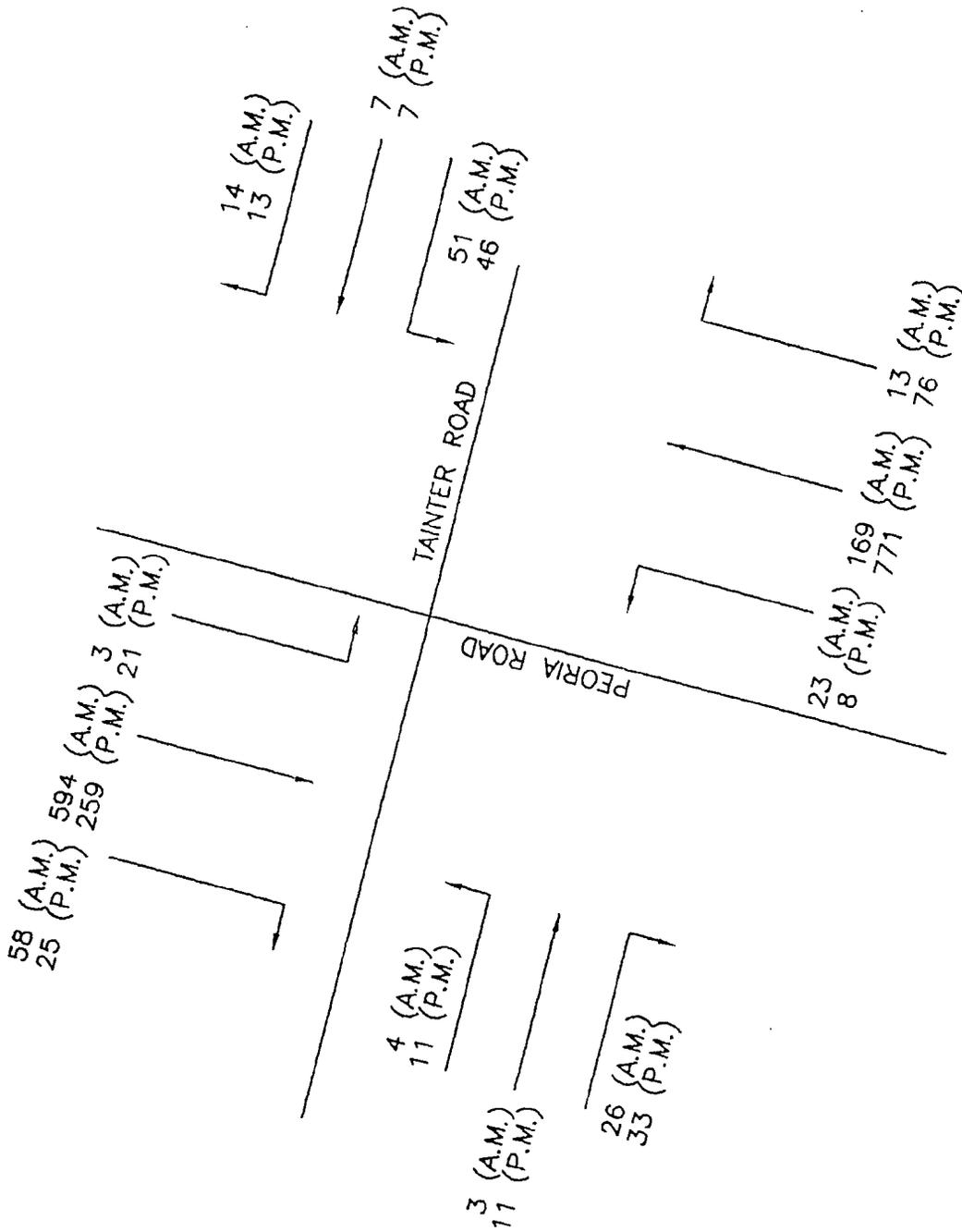


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JOB NO. 909-981

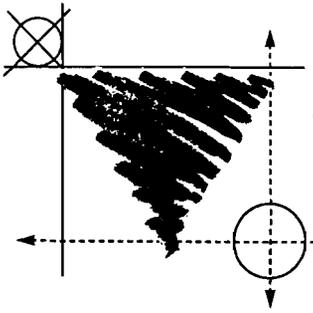
PROJECTED PEAK HOUR VOLUMES (100% CAPACITY)  
EXHIBIT 7



NOT TO SCALE



VASCONCELLES ENGINEERING CORP.  
2417 WEST WHITE OAKS DRIVE  
SRPINGFIELD, IL 62704  
PHONE (217) 698-3114  
JOB NO. 909-981



vasconcelles  
engineering corporation

January 18, 1999

Mr. Michael Myers  
Sorling, Northrup, Hanna, Cullen, and Cochran LTD.  
Suite 800 Illinois Building  
607 East Adams Street  
Springfield, IL 62701

RE: Lincolnwood Mobile Home Park

Dear Mr. Myers:

Using the Institute of Transportation Engineers Trip Generation Manual, 5<sup>th</sup> Edition, the Projected Average Daily Traffic (ADT) for 424 single family lots will be  $\pm 1900$  vehicles. Using the approved Traffic Impact Study (Dated October 1998), 80% of the vehicles will enter/exit through the Taintor Road Entrance. Therefore, the projected ADT across the existing railroad crossing will be  $\pm 1520$  vehicles.

Should you have any questions, please give me a call.

Sincerely,

Consulting Engineers

Springfield Office  
2417 West White  
Oaks Drive  
Springfield, IL 62704

217.698.3114  
Fax 217.698.3115

Chicago  
630.357.6569

St. Louis  
314.621.1717

1.800.727.4VEC

VASCONCELLES ENGINEERING CORPORATION

Mark T. Vasconcelles

MTV/sw  
909-981

EN... 2

**CERTIFICATE OF SERVICE**

The undersigned certifies that on July 23, 1999, a copy of the foregoing instrument was served upon the following parties by depositing said instrument in the U.S. Mail, with postage thereon fully prepaid, at Springfield, Illinois, plainly addressed as follows *via certified mail, return receipt requested*:

Mr. James C. Slifer, Director  
Division of Highways  
Illinois Department of Transportation  
2300 South Dirksen Parkway  
Springfield, IL. 62764

Kevin Sharpe, Director of Processing  
Illinois Commerce Commission  
527 East Capitol  
P.O. Box 19280  
Springfield, IL. 62794-9280

Illinois Midland Railroad, Inc.  
Raquel Swan, Vice President  
P.O. Box 139  
Springfield, IL. 62705

Richard Berning, City Engineer  
Municipal Building  
Springfield, IL. 62701

Karen Hasara, Mayor  
City of Springfield  
Municipal Center East  
Springfield, IL. 62701

City Clerk  
City of Springfield  
106 Municipal Center West  
Springfield, IL. 62701

Michael Myers, Attorney  
Illinois Building – Suite 800  
P.O. Box 5132  
Springfield, IL. 62705



Philip L. Koeberlein, P.E.  
County Engineer

On behalf of Joe Chernis  
Springfield Township Rd. Commissioner