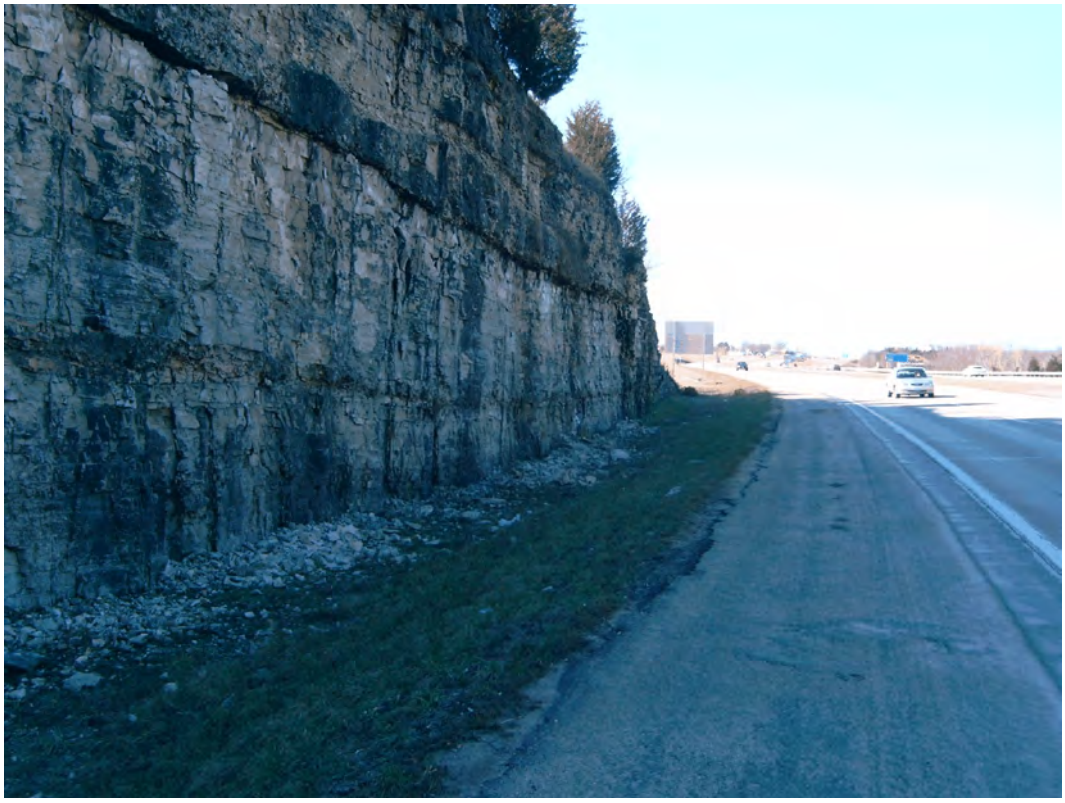


**Rock face 29.5 ft. from EOP EB**

**Rock face 31.5 ft from EOP WB**

## Exhibit B-1a

**One-half mile West of Dix Road**

**Rock face 25 ft. from EOP EB**

**Rock face 22 ft. from EOP WB**

## Exhibit B-1b

**One-quarter mile East of Dix Road**

**Inadequate guardrail at bridge EB and WB**

## Exhibit B-1c
**Dix Road**

**Exhibit B-2**
**View Obstructions on the Tri-Level Interchange**

**55% sideslope - East of Lafayette**

**55% sideslope - West of Lafayette**

**Exhibit B-3**

**EB off ramp has 55% sideslope**

**EB on ramp has 70% sideslope**

## Exhibit B-4a.1
**At Clark Avenue**

**WB on ramp has 63% sideslope**

**Short guardrails at bridge EB and WB**

## Exhibit B-4a.2
**At Clark Avenue**

**2 foot paved median and no shoulders**

**Exhibit B-4b.1**
**West of Clark Avenue**

**Blunt bridge end on Clark Bridge**

**Exhibit B-4b.2**
**At Clark Avenue**

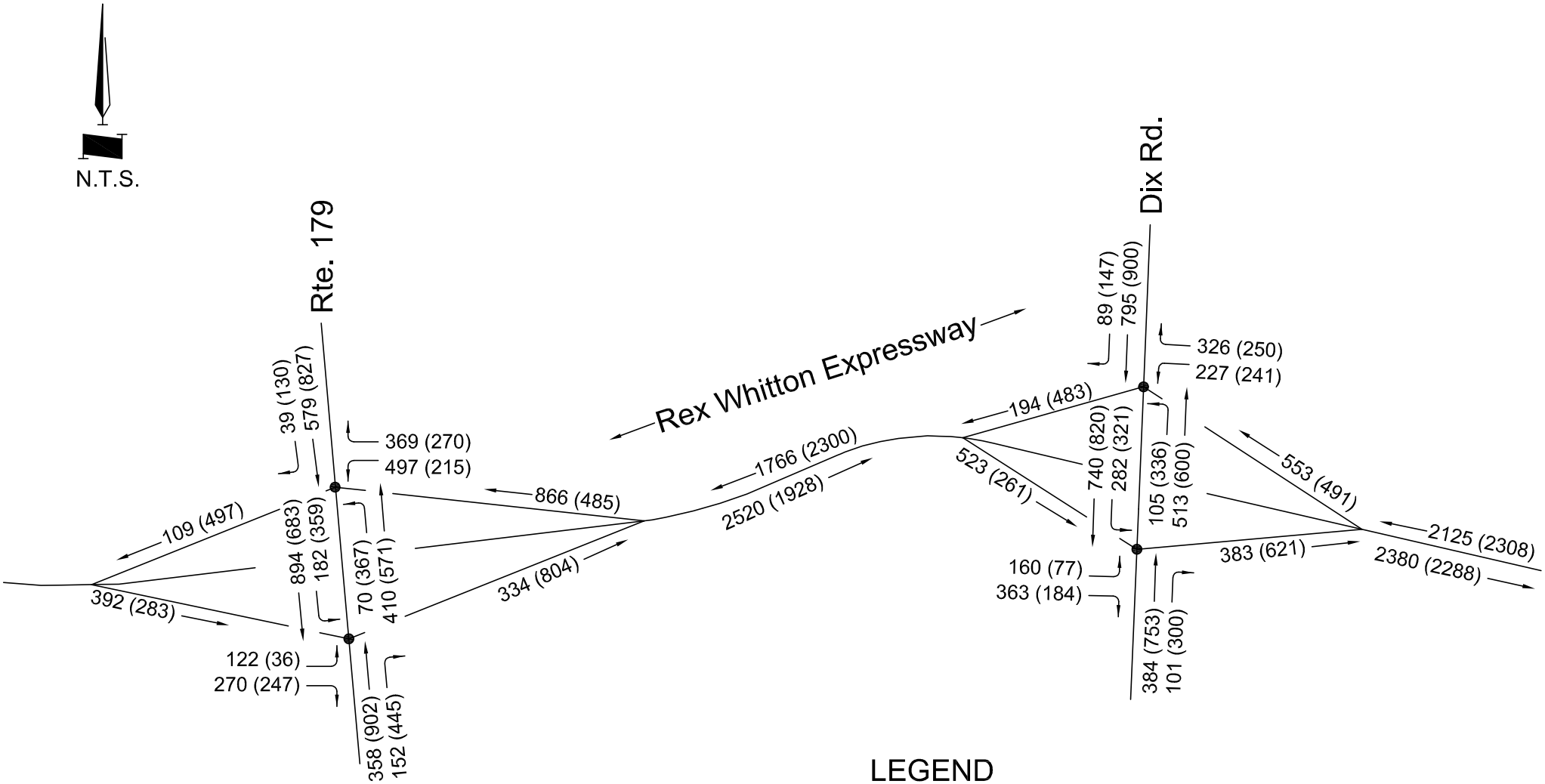
**Two foot wide paved median and no shoulders**

**Exhibit B-4b.3**
**East of Clark Avenue**

**Rock face 26 ft. from EOP WB**

## Exhibit B-5

**One-half mile West of Eastland Drive**




## LEGEND

500 (500) — P.M. Peak Hour Total Traffic Volume (vph); A.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE C1-1*
*Existing Traffic Volumes*

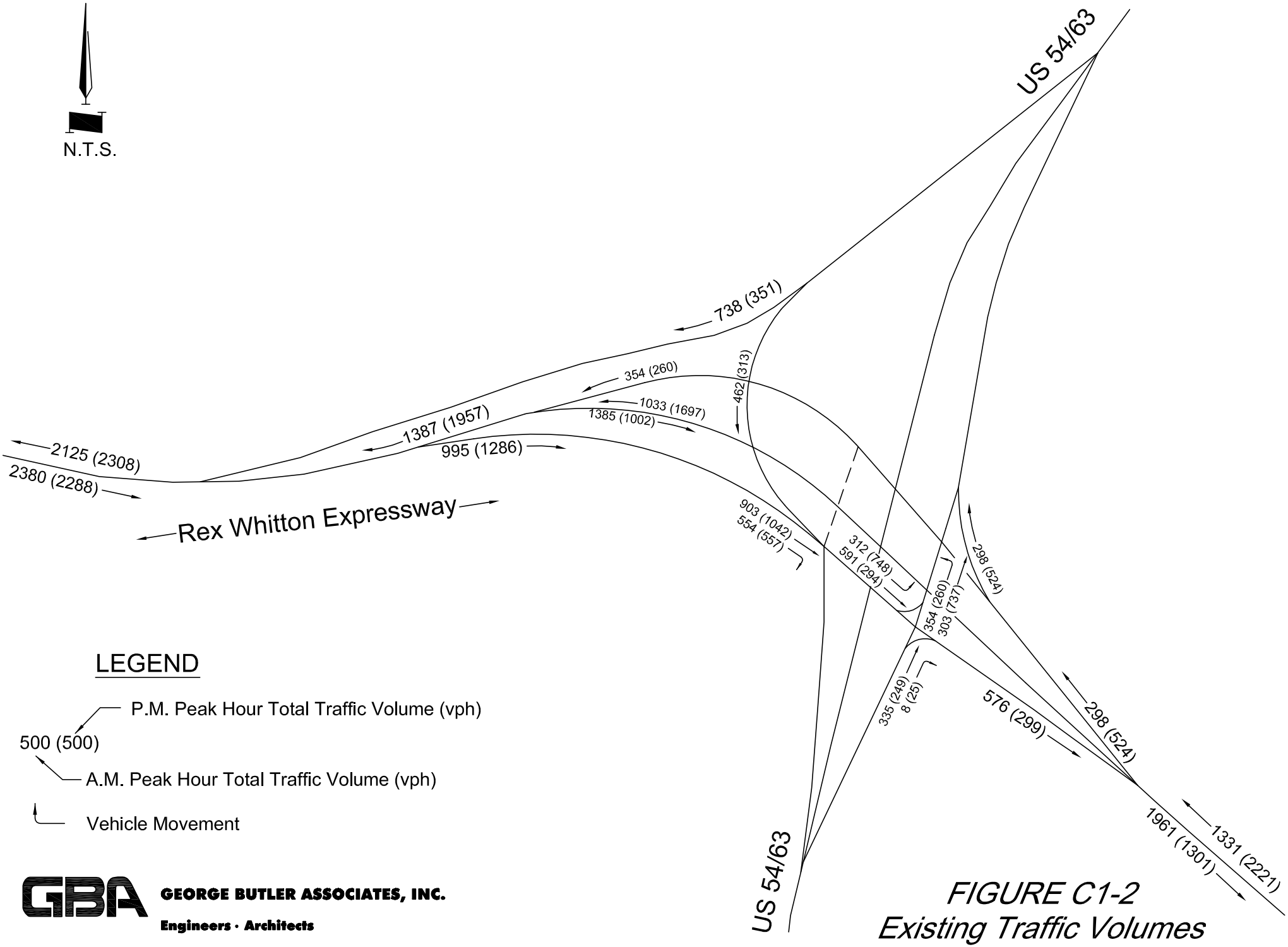


*FIGURE C1-2*
*Existing Traffic Volumes*

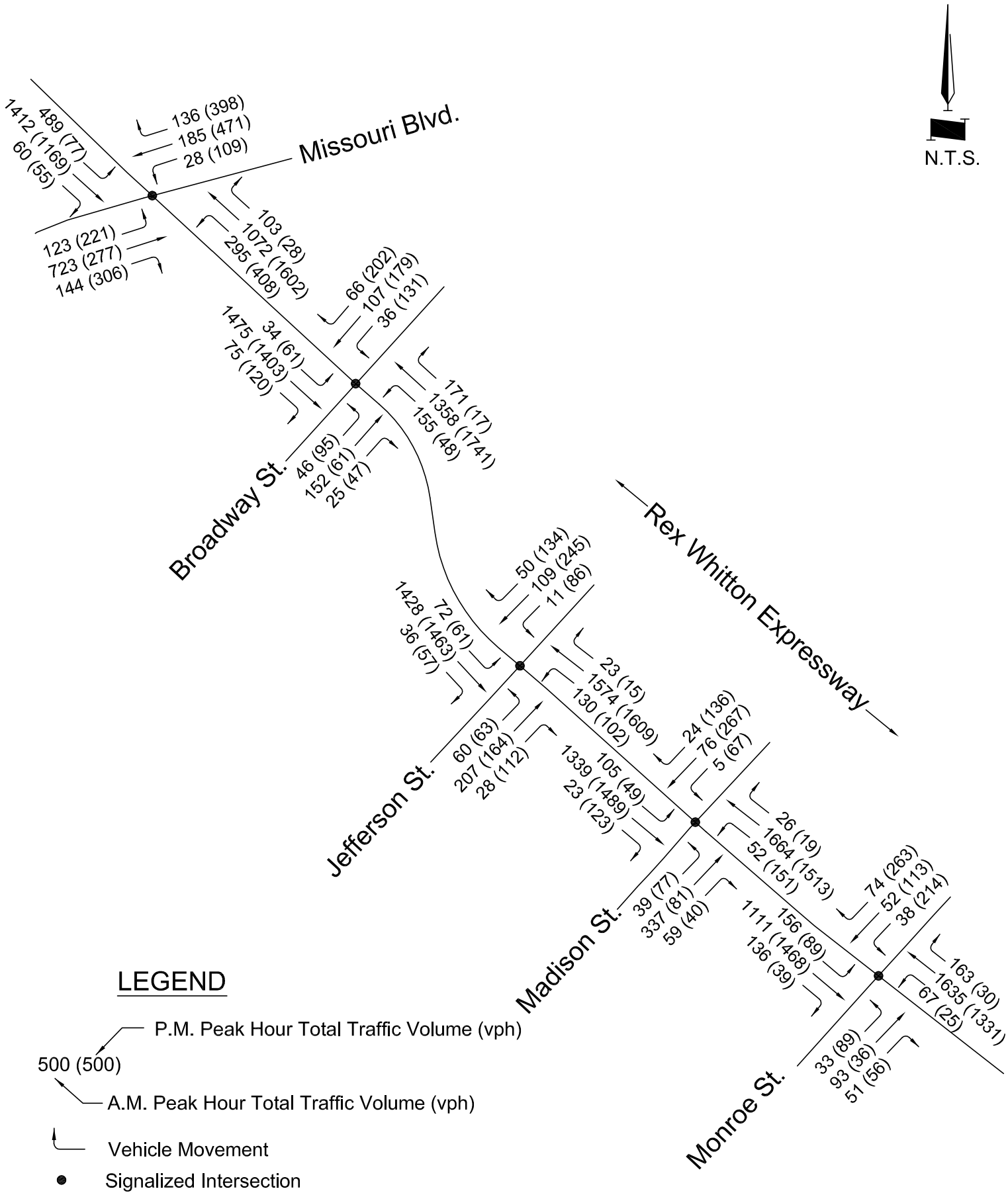


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*FIGURE C1-3*
*Existing Traffic Volumes*

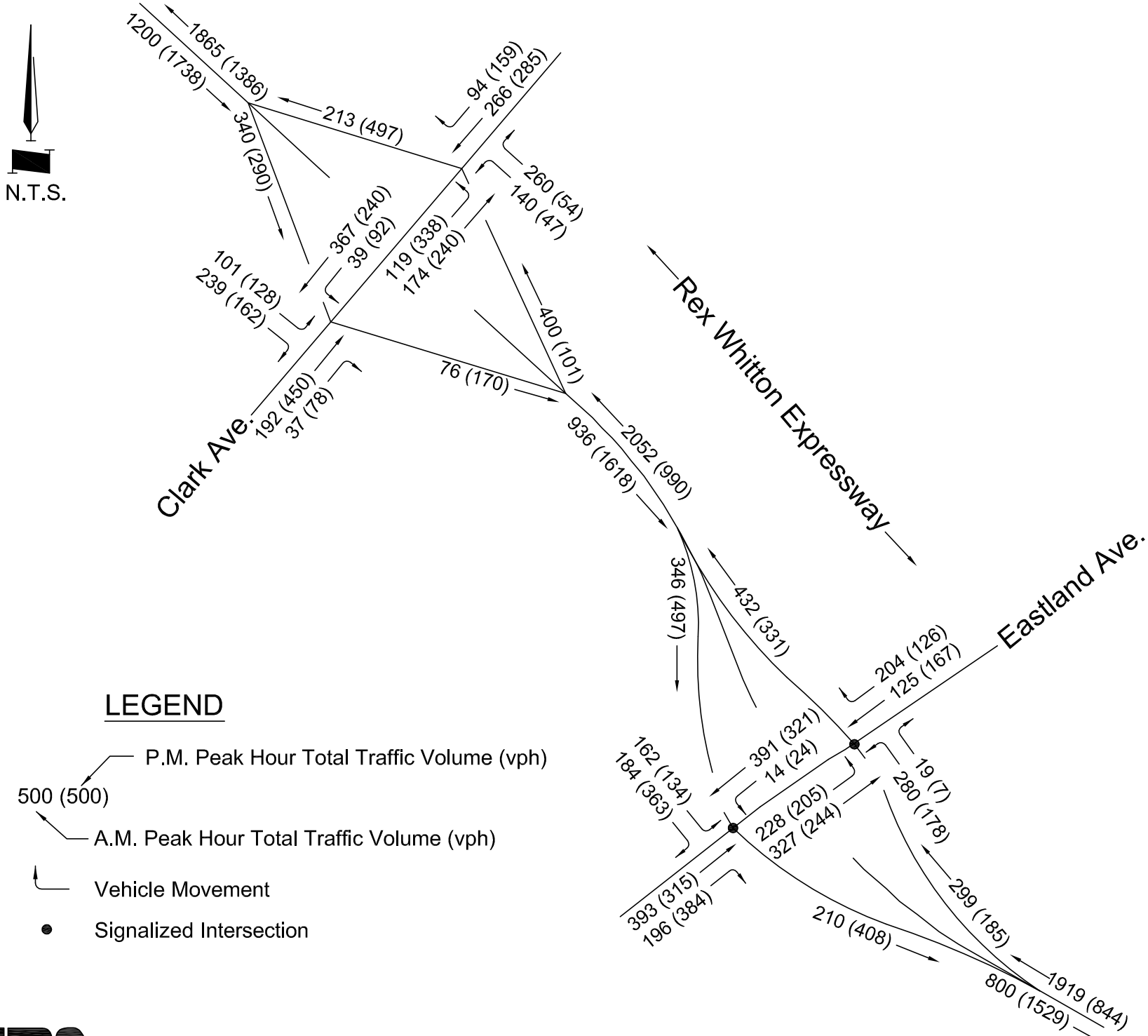


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*FIGURE C1-4*
*Existing Traffic Volumes*

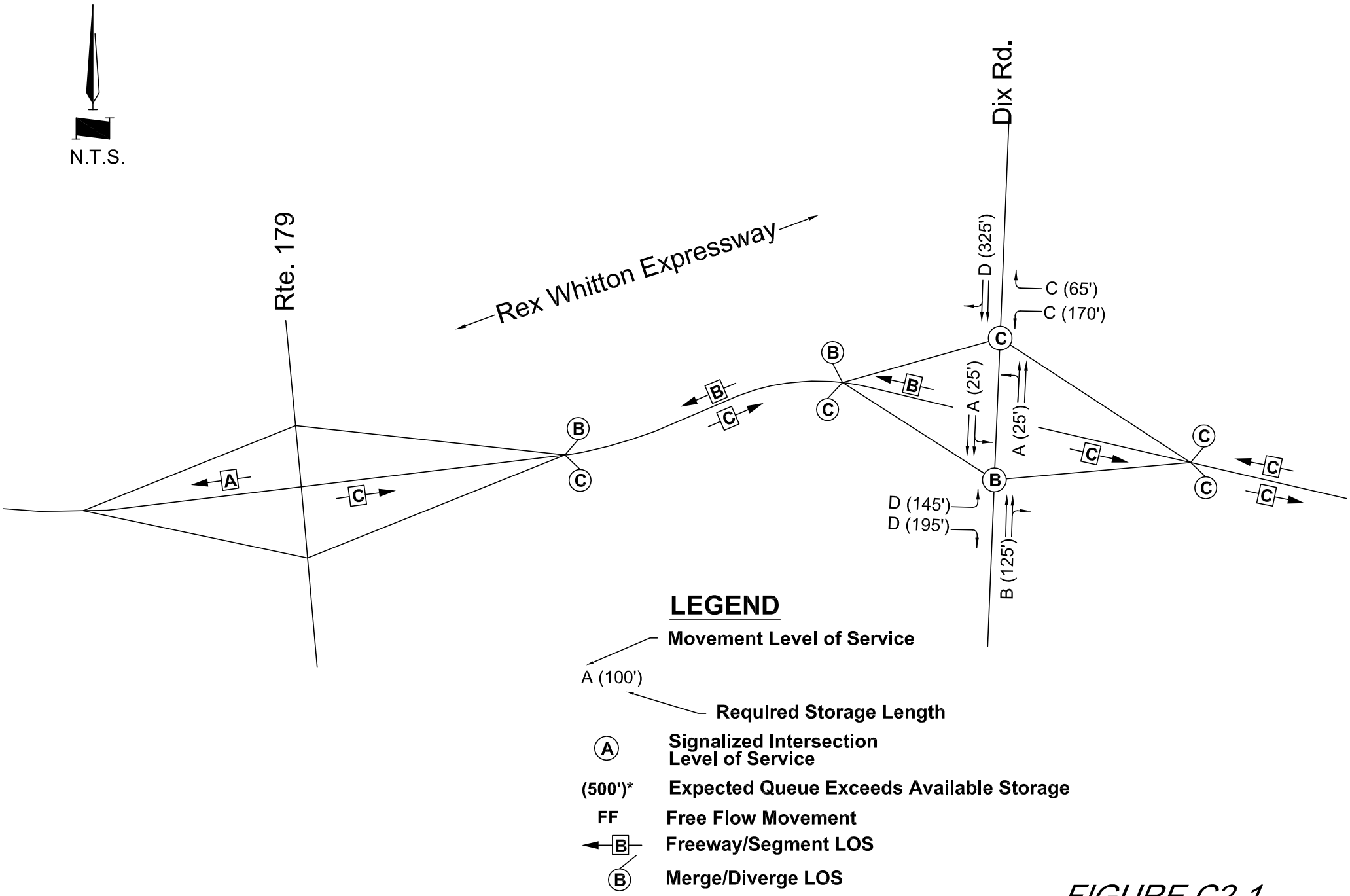


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*FIGURE C2-1*
*Existing Levels of Service*
*A.M. Peak Hour*

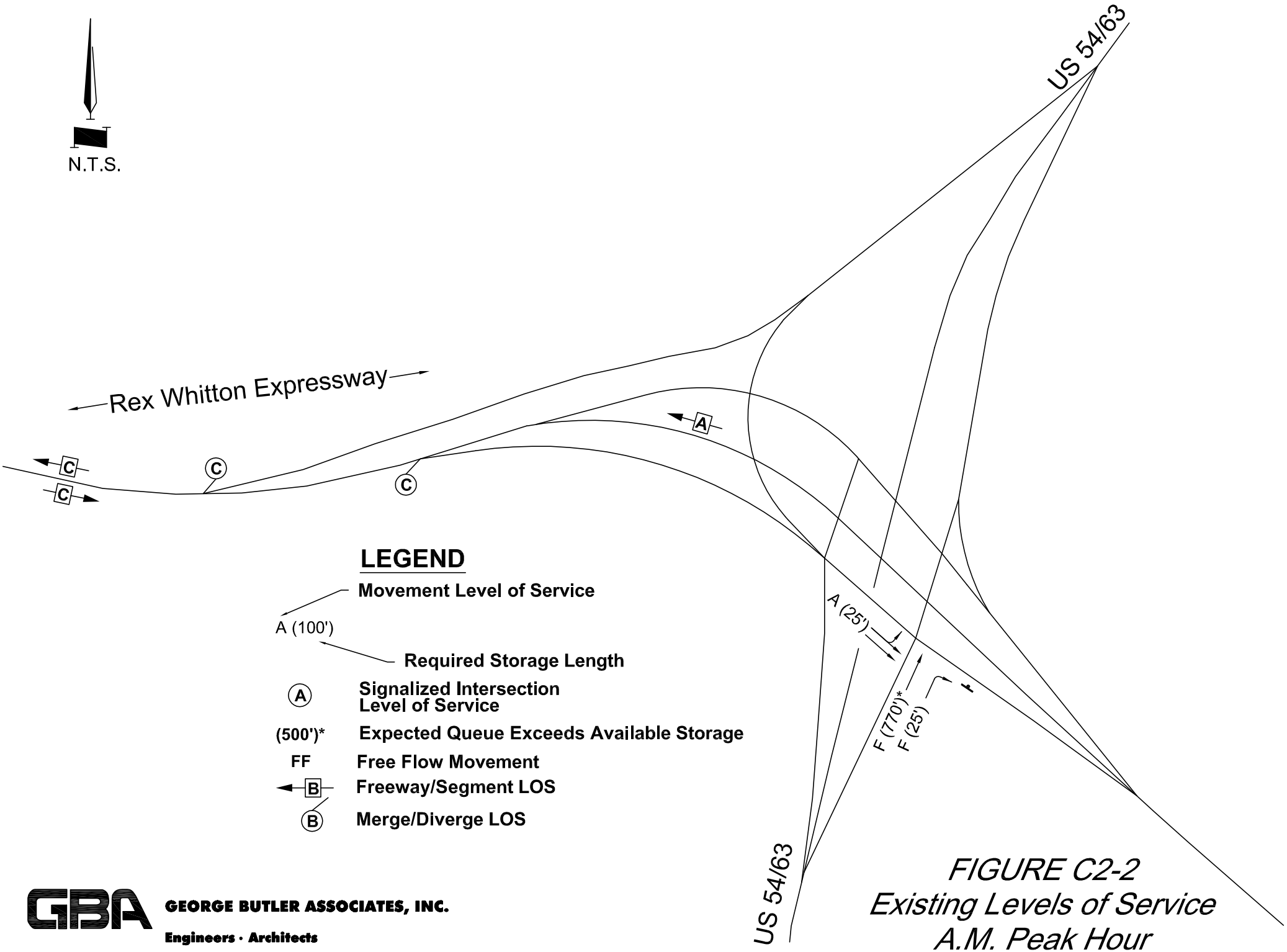


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*FIGURE C2-2*
*Existing Levels of Service*
*A.M. Peak Hour*

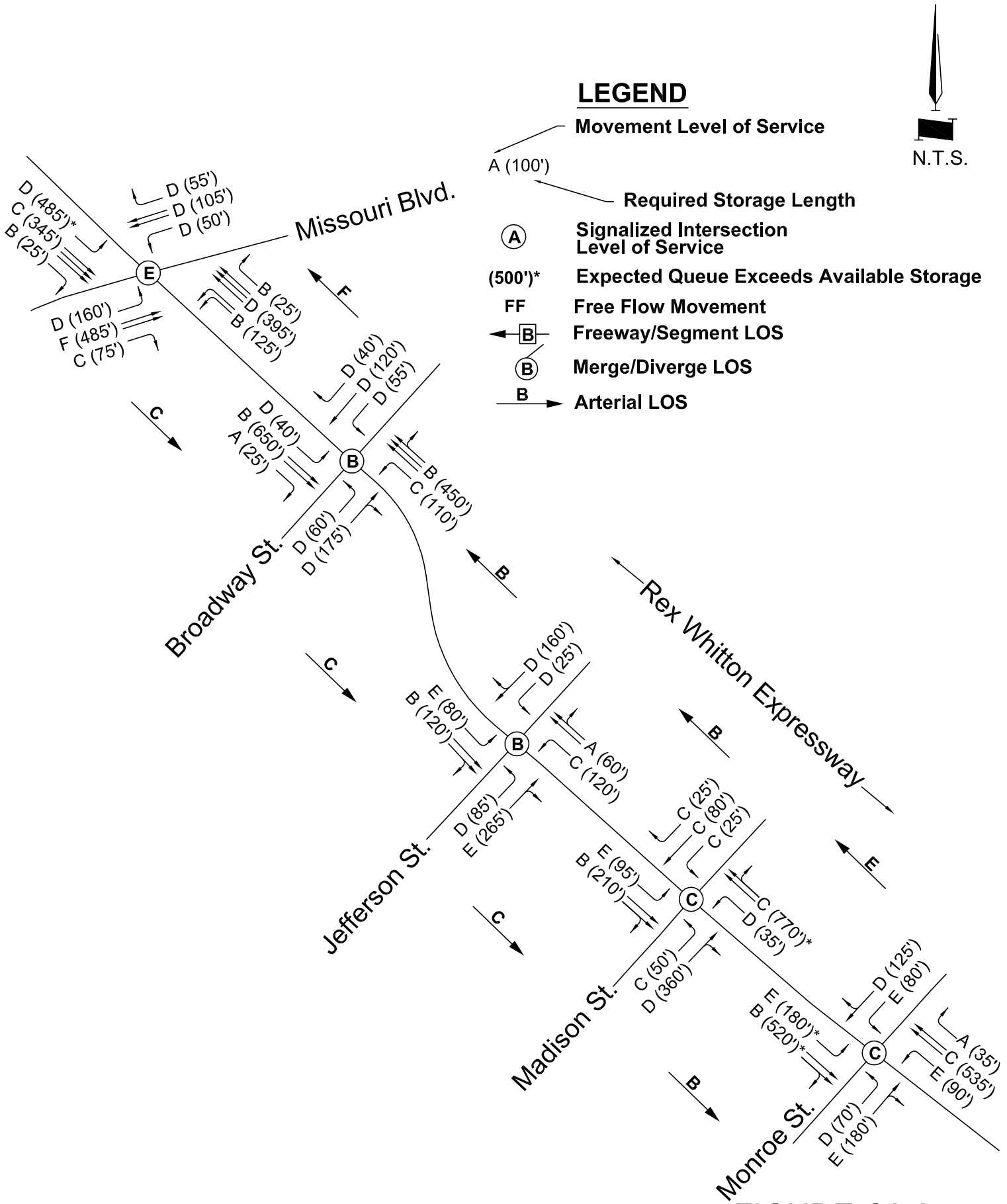


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*FIGURE C2-3*
*Existing Levels of Service*
*A.M. Peak Hour*

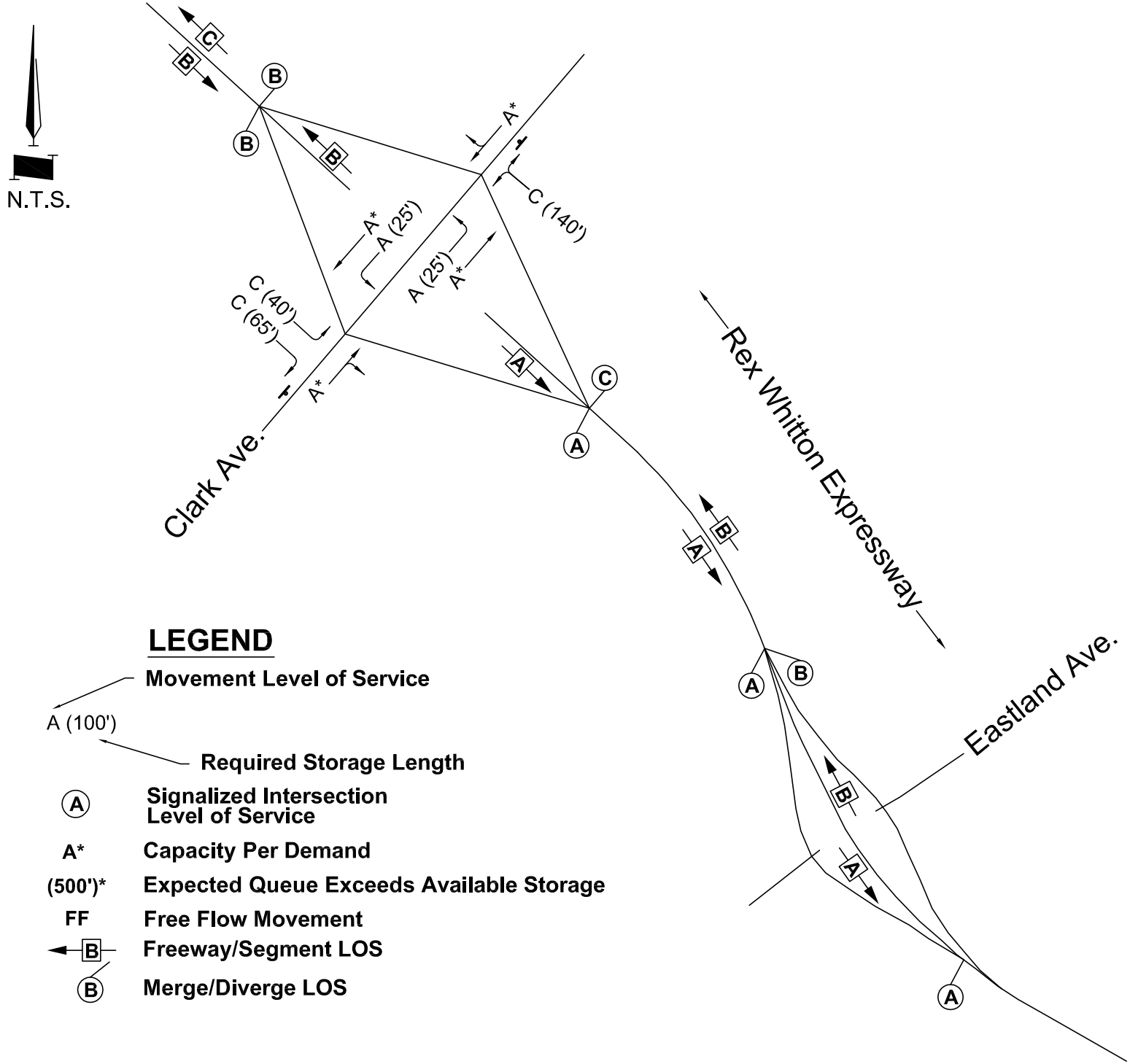


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*FIGURE C2-4*
*Existing Levels of Service*
*A.M. Peak Hour*

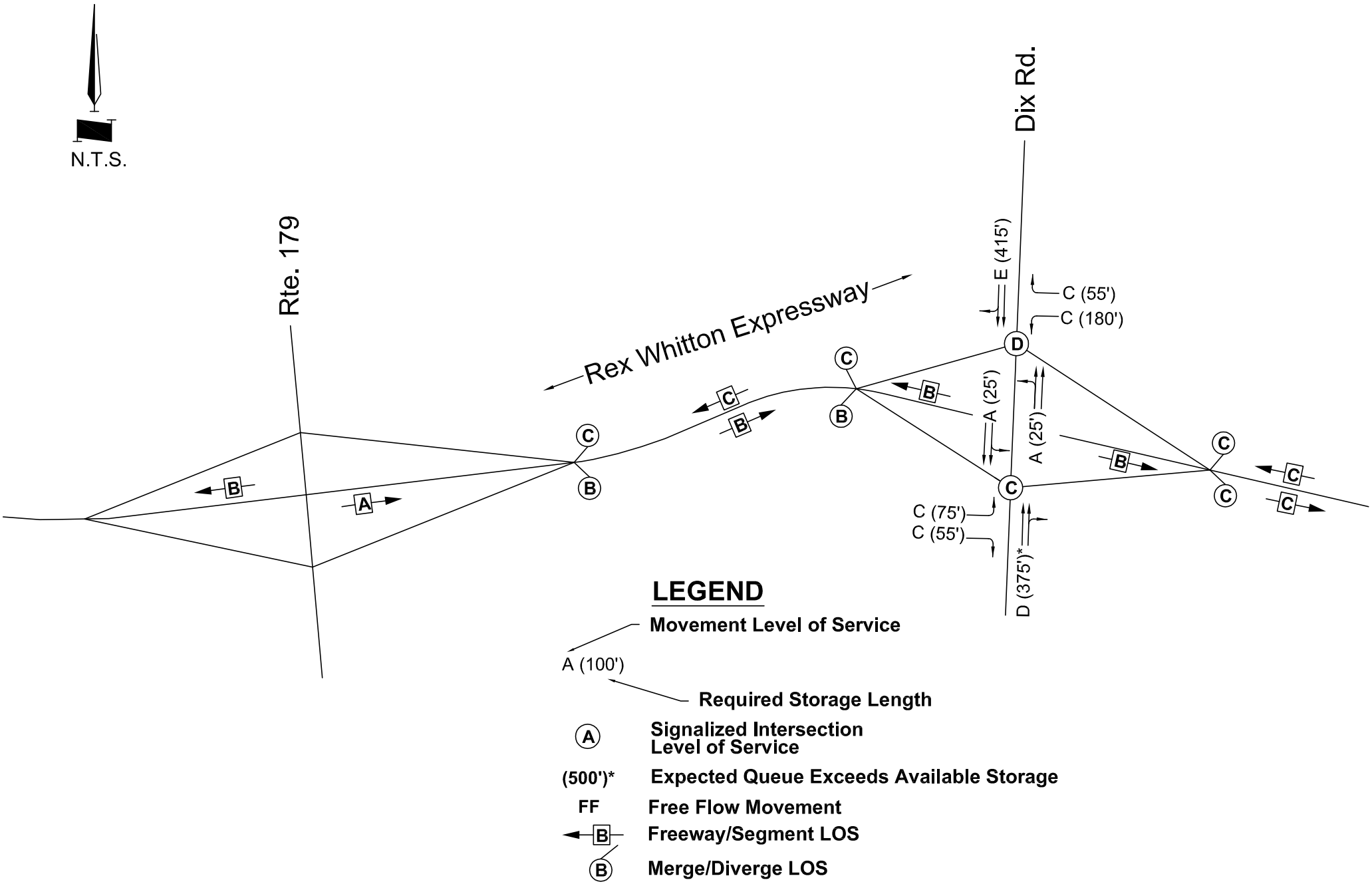


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*FIGURE C3-1*
*Existing Levels of Service*
*P.M. Peak Hour*

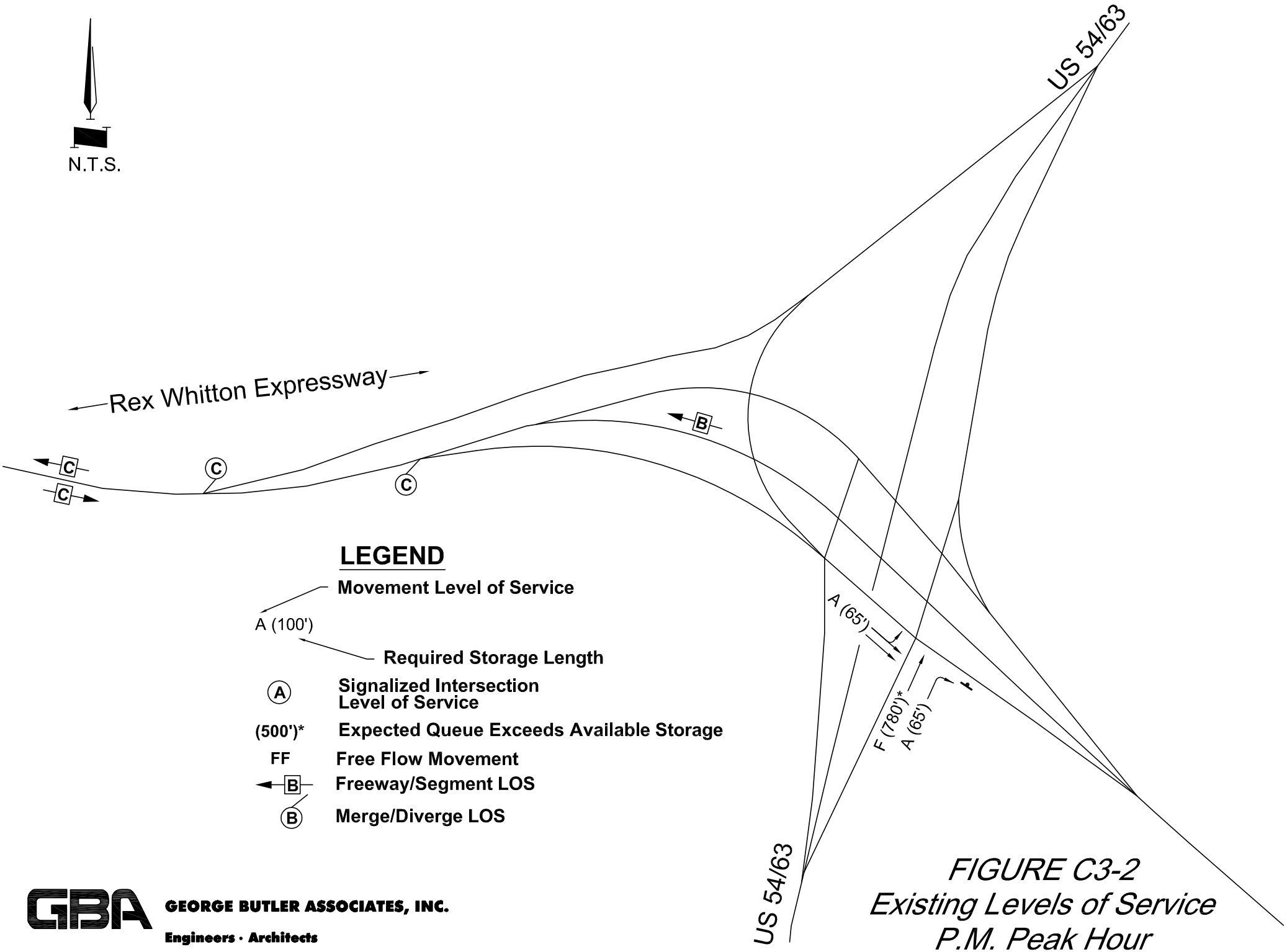


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*FIGURE C3-2*
*Existing Levels of Service*
*P.M. Peak Hour*

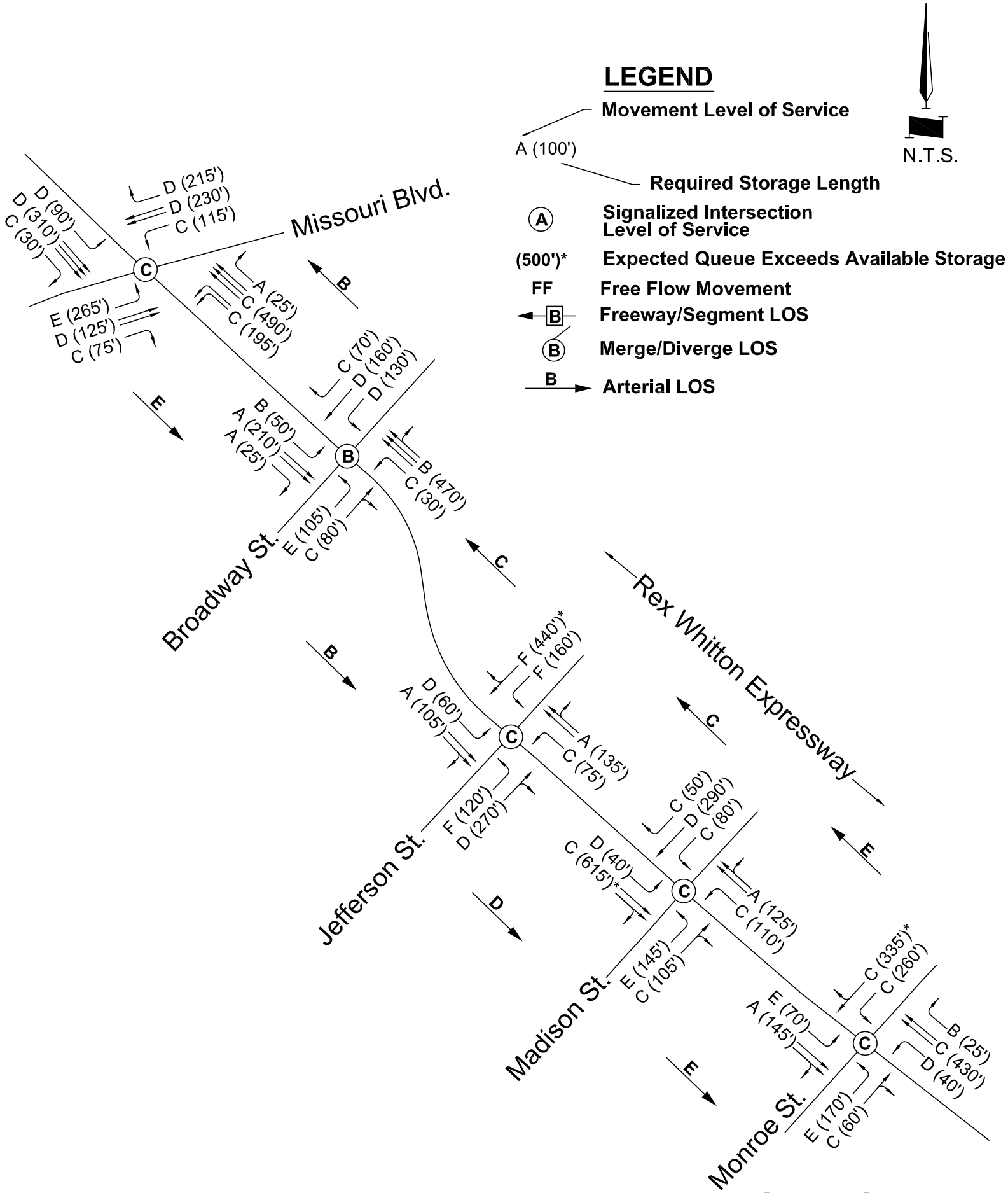


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*FIGURE C3-3*
*Existing Levels of Service*
*P.M. Peak Hour*

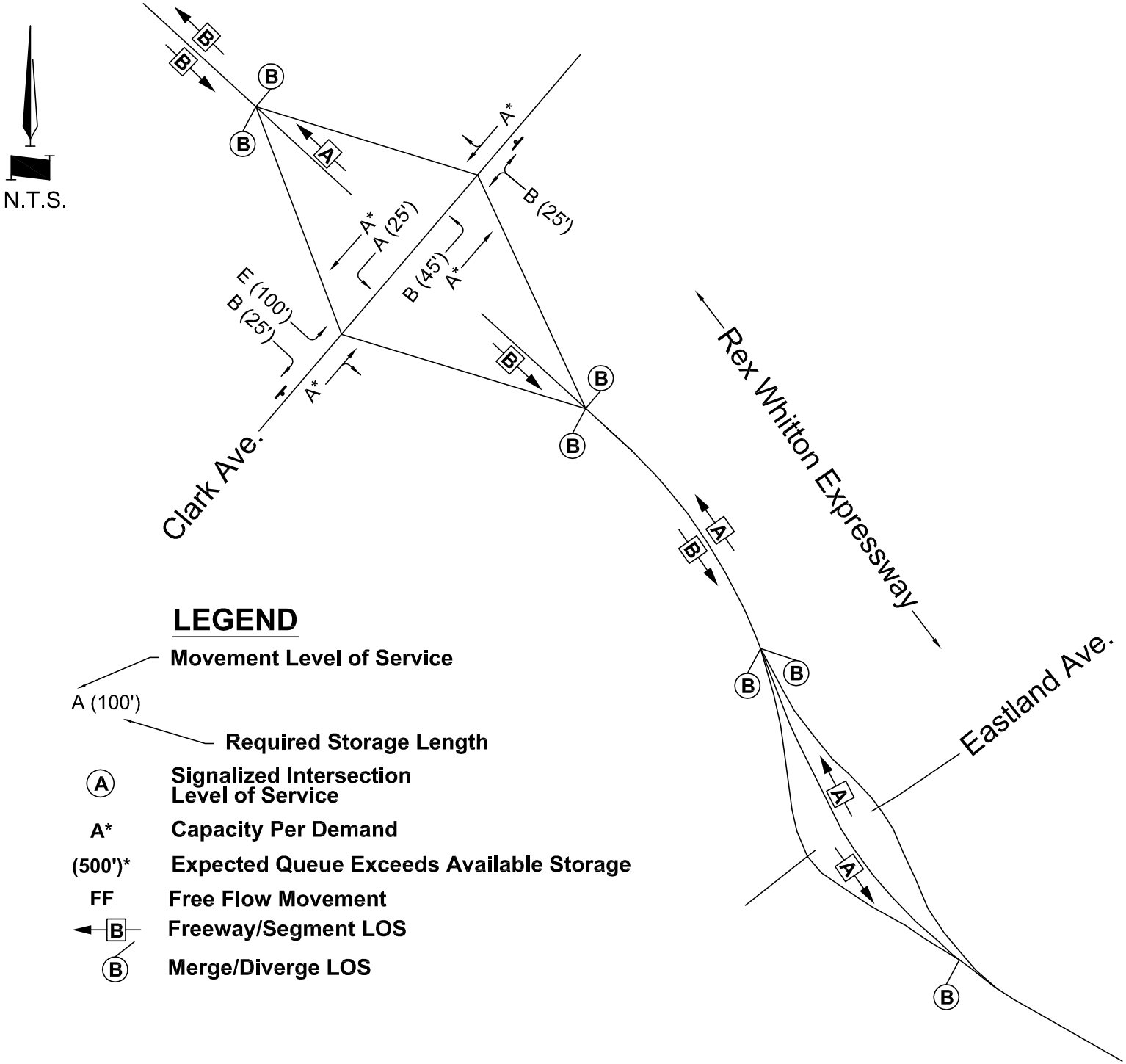


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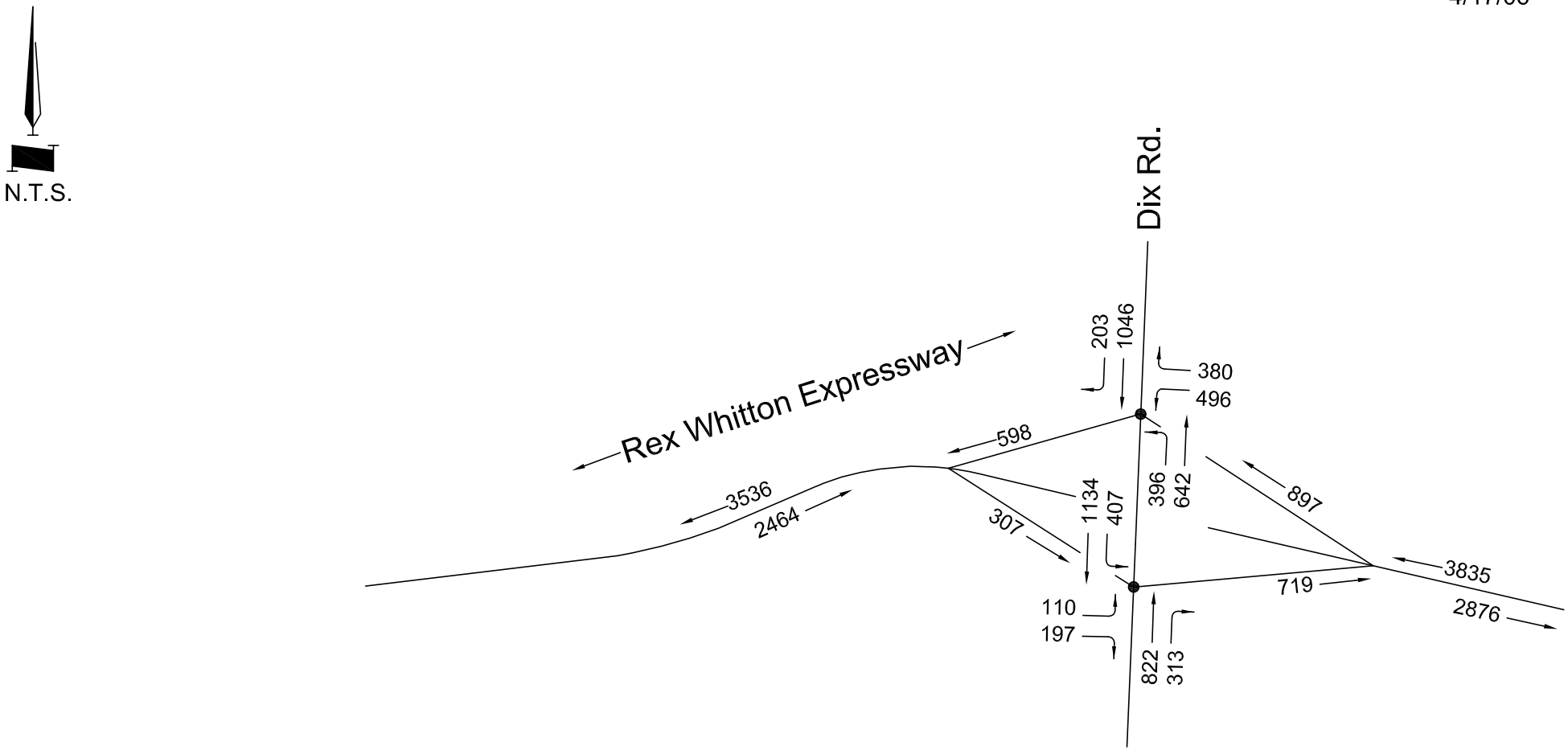
*FIGURE C3-4*
*Existing Levels of Service*
*P.M. Peak Hour*

4/17/06




## LEGEND

500 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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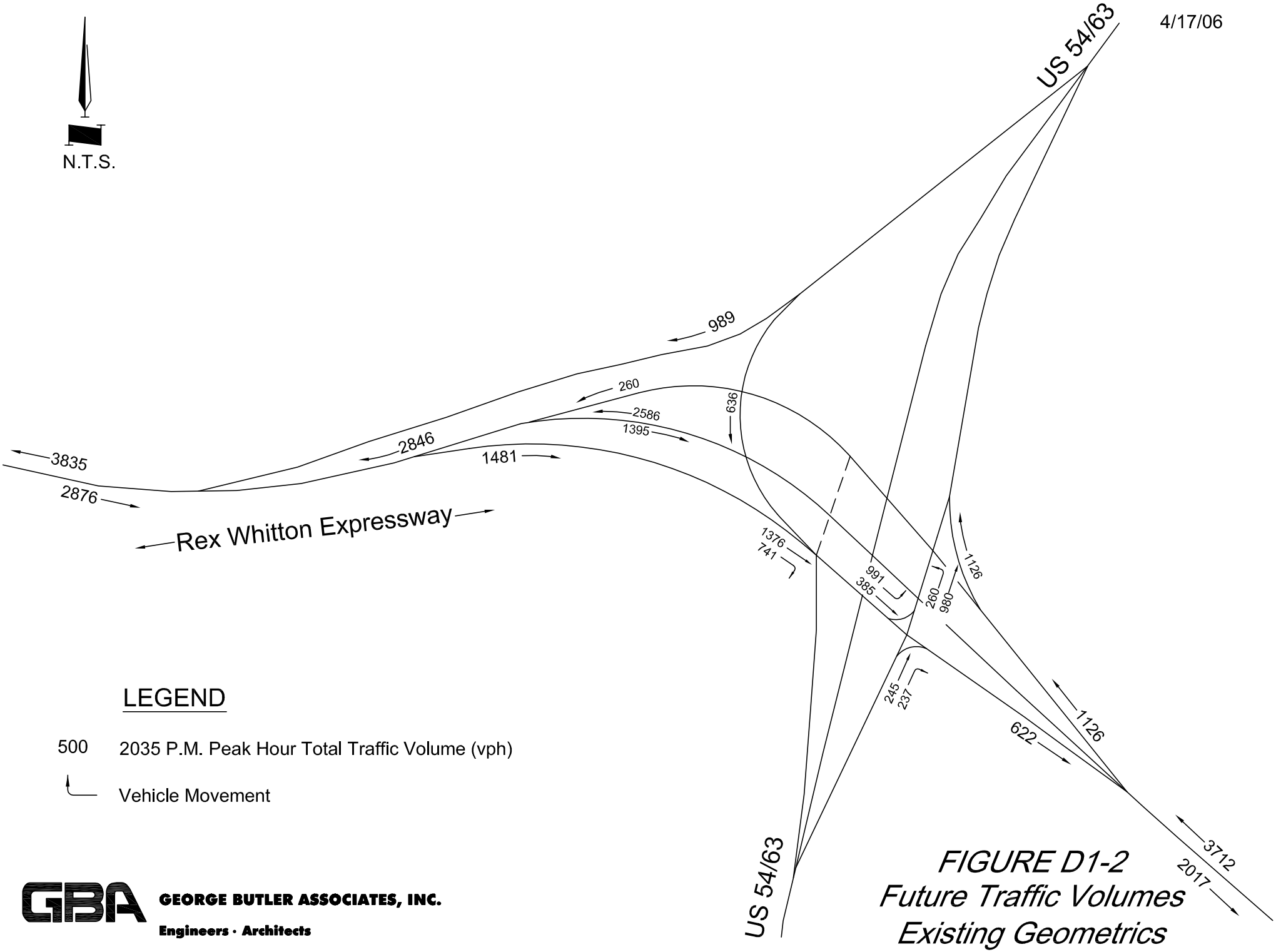
*FIGURE D1-1*
*Future Traffic Volumes*
*Existing Geometrics*

4/17/06




LEGEND

500 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

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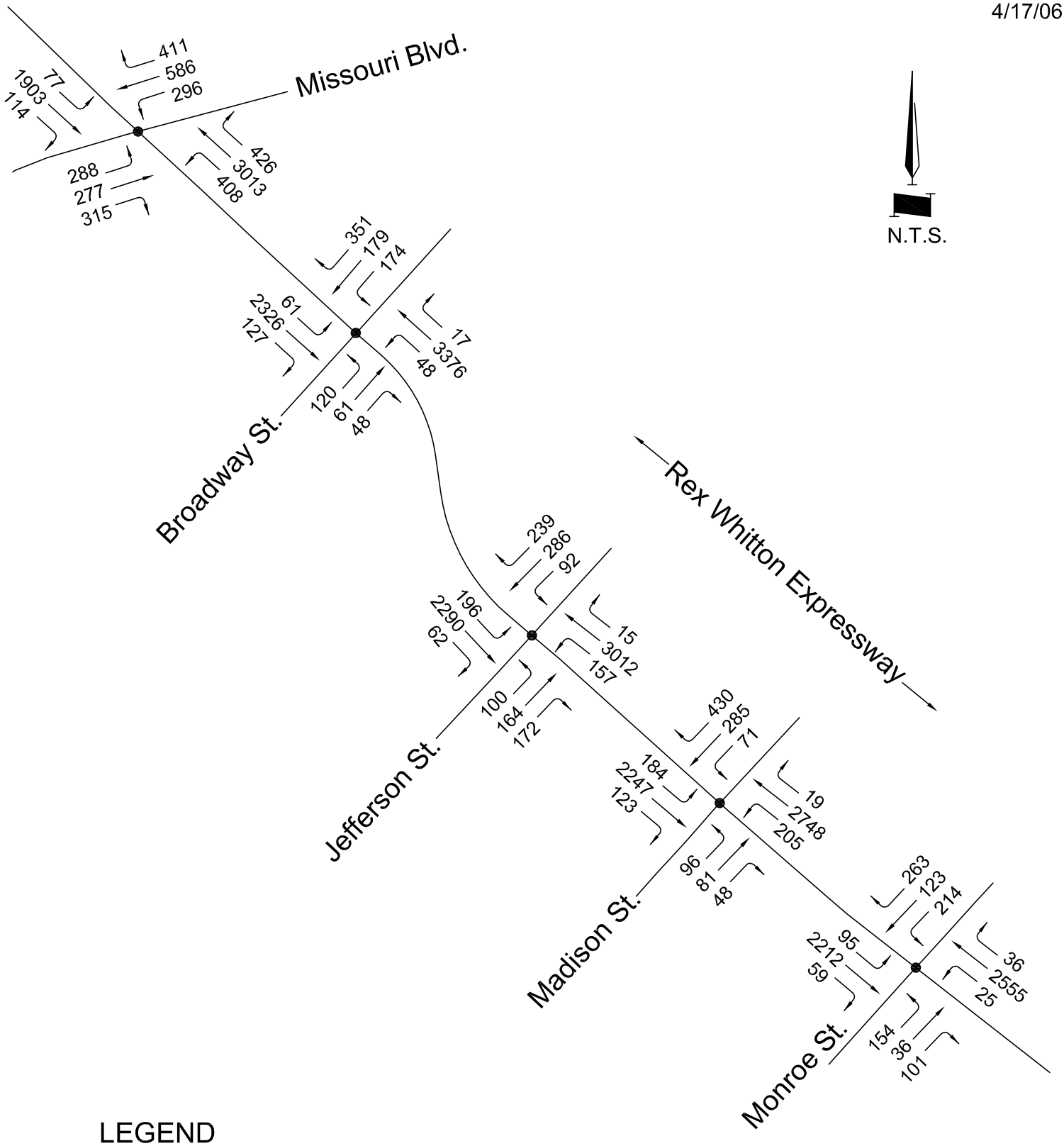
*FIGURE D1-2*
*Future Traffic Volumes*
*Existing Geometrics*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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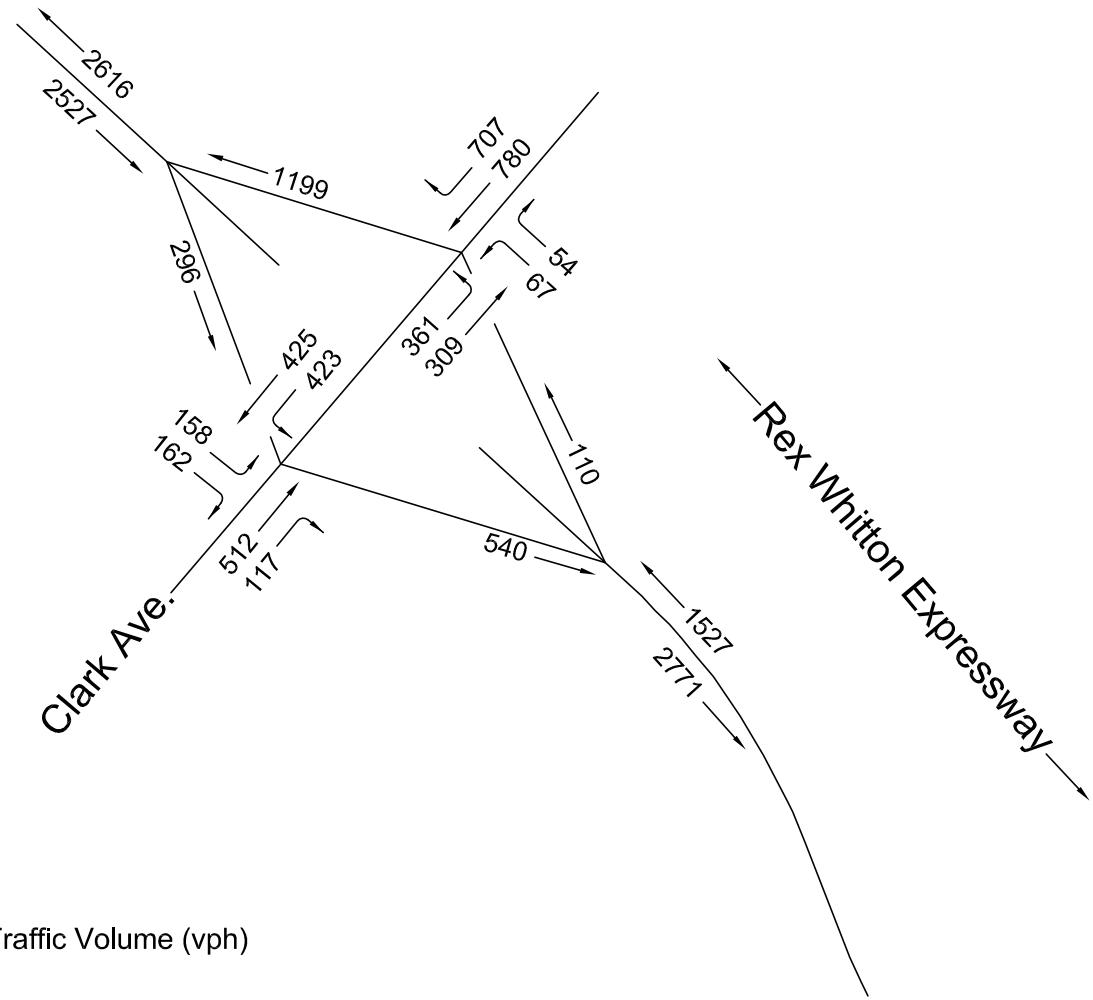
*FIGURE D1-3*
*Future Traffic Volumes*
*Existing Geometrics*

4/17/06

N.T.S.




## LEGEND

500 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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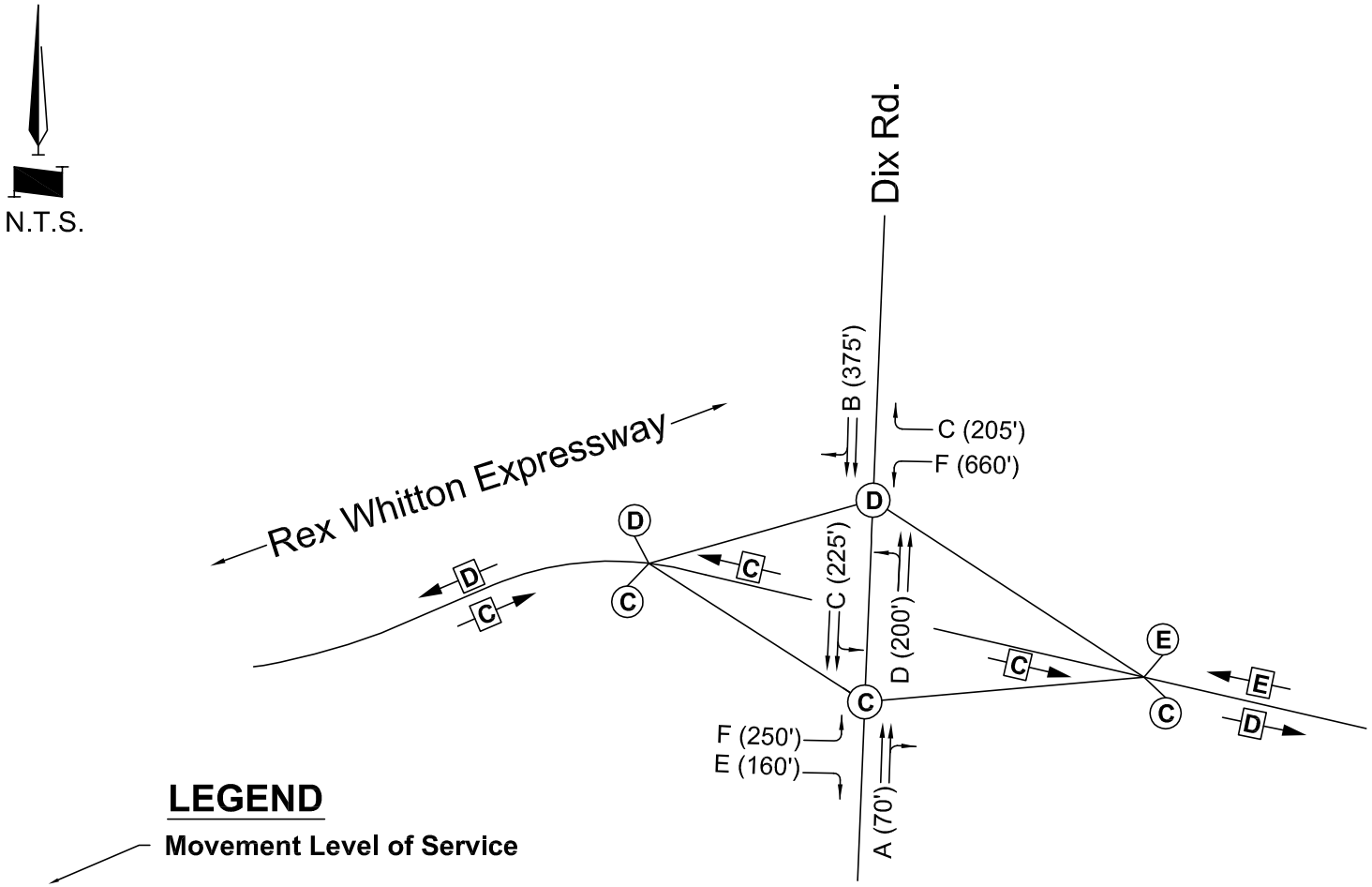
*FIGURE D1-4*
*Future Traffic Volumes*
*Existing Geometrics*

4/17/06




## LEGEND

**Movement Level of Service**

A (100')

**Required Storage Length**

(A) **Signalized Intersection Level of Service**

**(500')*** **Expected Queue Exceeds Available Storage**

**FF** **Free Flow Movement**

◄ [B] **Freeway/Segment LOS**

(B) **Merge/Diverge LOS**

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*FIGURE D2-1*
*2035 Levels of Service*
*Existing Geometrics*

4/17/06

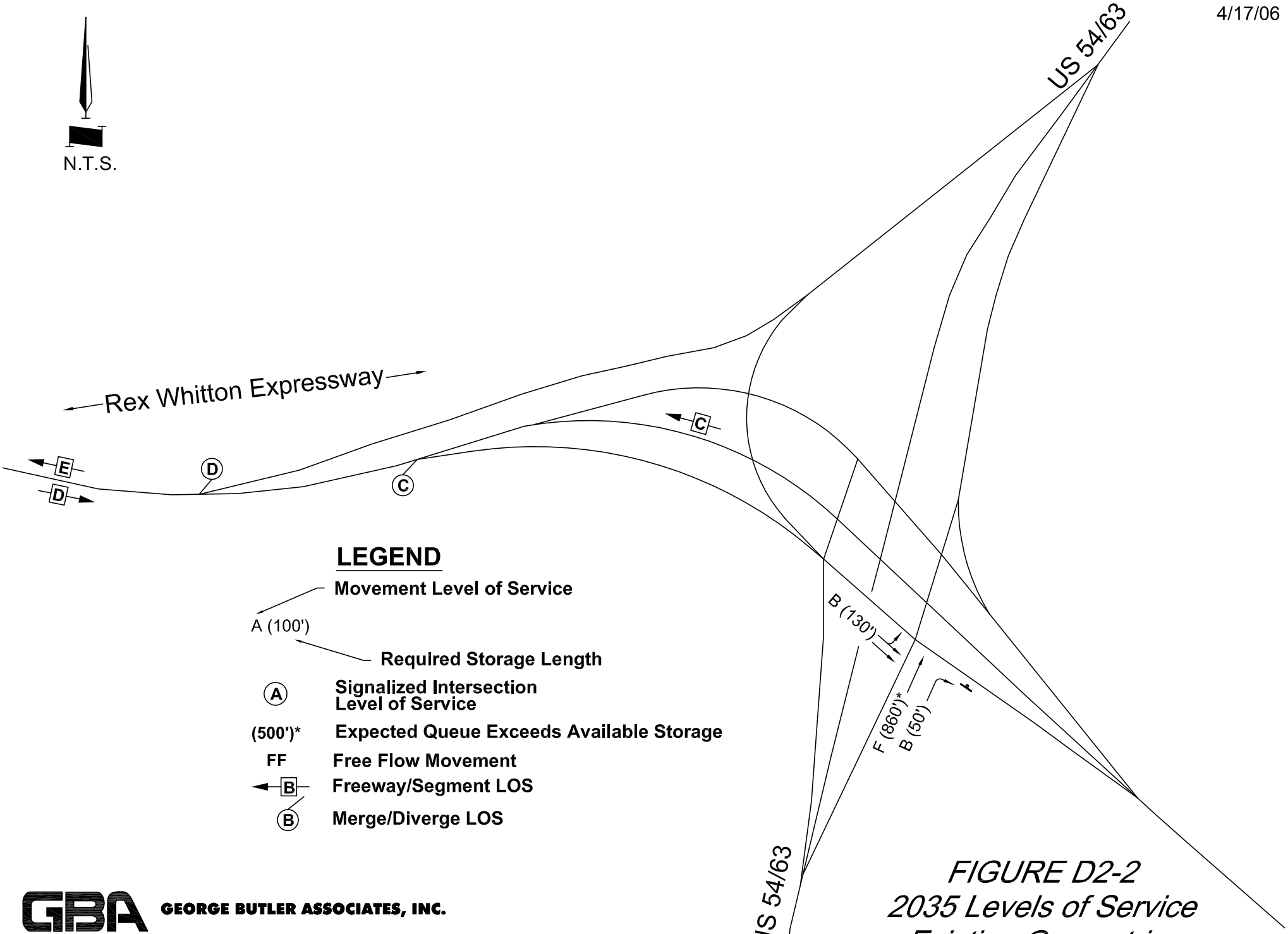


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*FIGURE D2-2*
*2035 Levels of Service*
*Existing Geometrics*

4/17/06

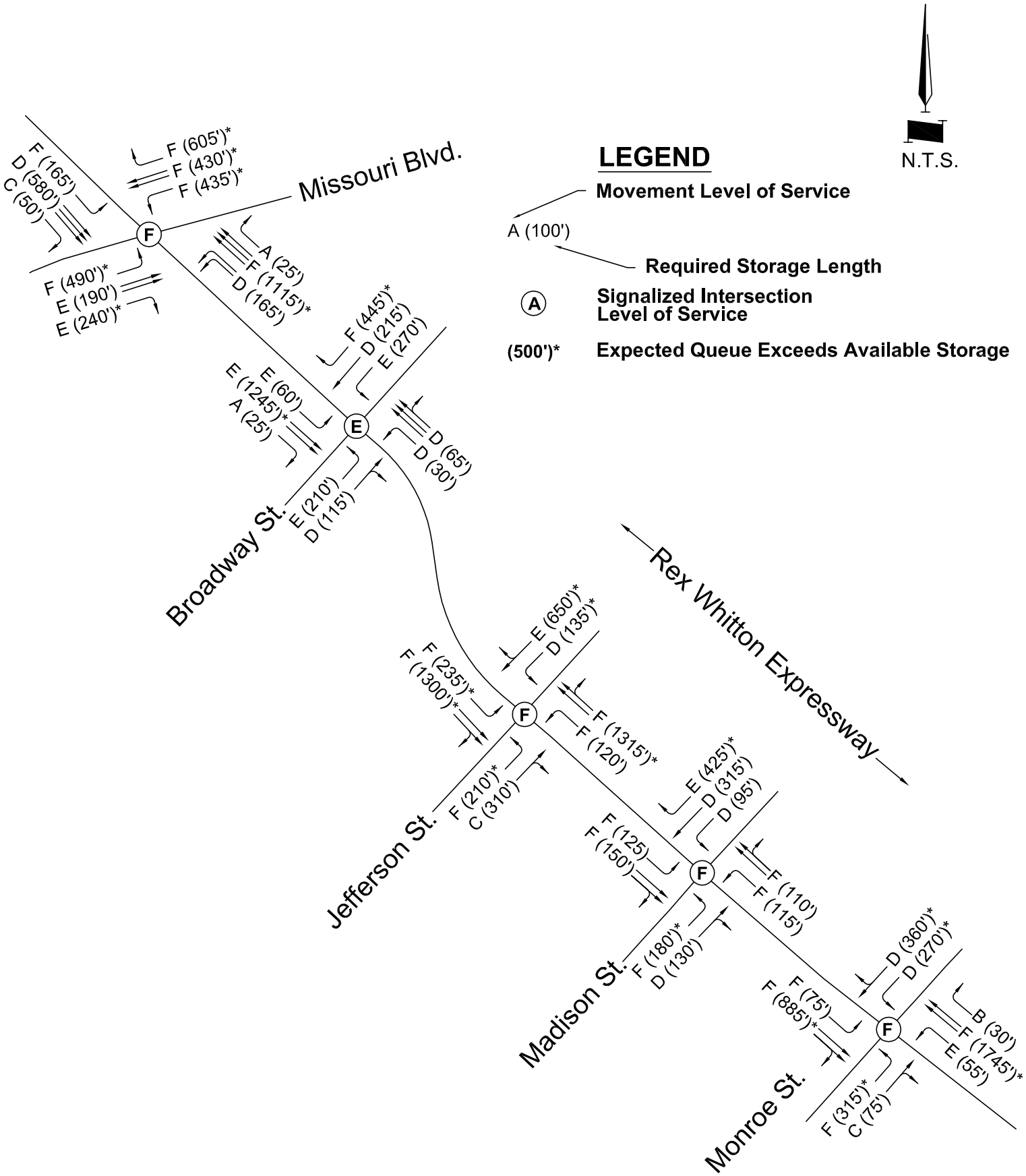


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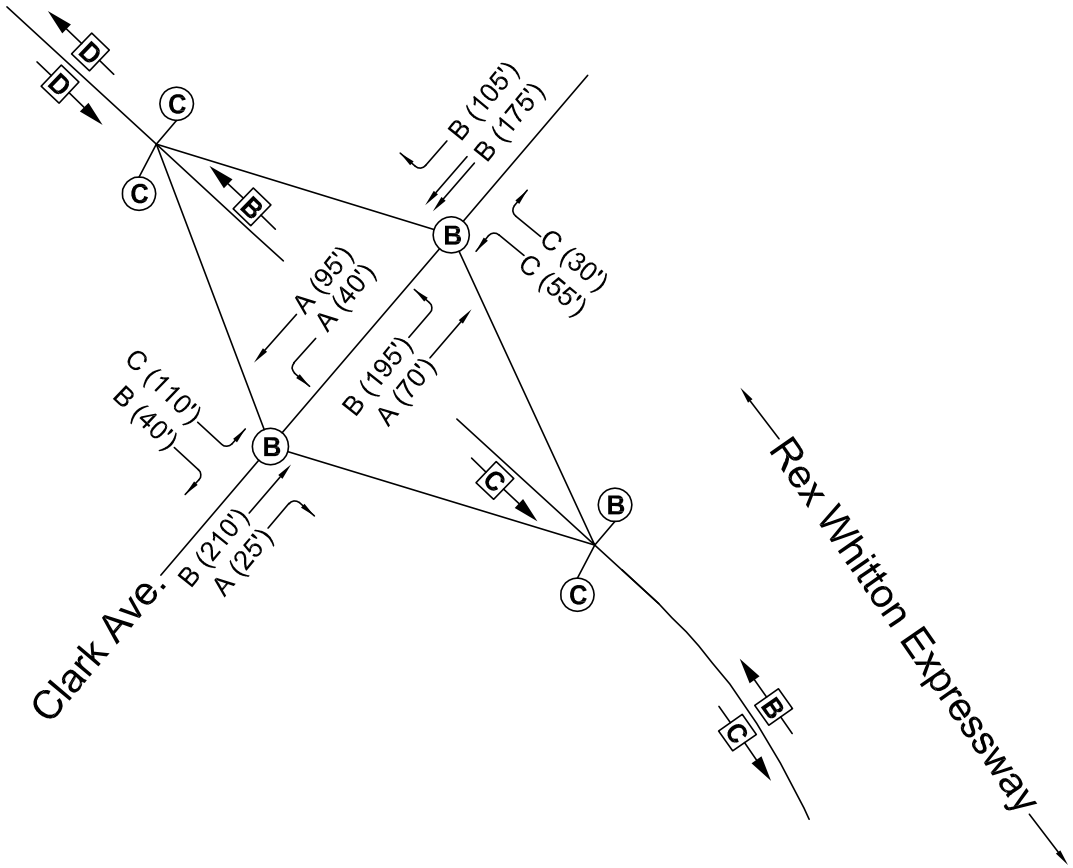
*FIGURE D2-3*
*2035 Levels of Service*
*Existing Geometrics*

4/17/06

N.T.S.




## LEGEND

A (100') — Movement Level of Service; Required Storage Length

(A) Signalized Intersection Level of Service

A* Capacity Per Demand

(500')* Expected Queue Exceeds Available Storage

FF Free Flow Movement

B Freeway/Segment LOS

(B) Merge/Diverge LOS

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*FIGURE D2-4*
*2035 Levels of Service*
*Existing Geometrics*

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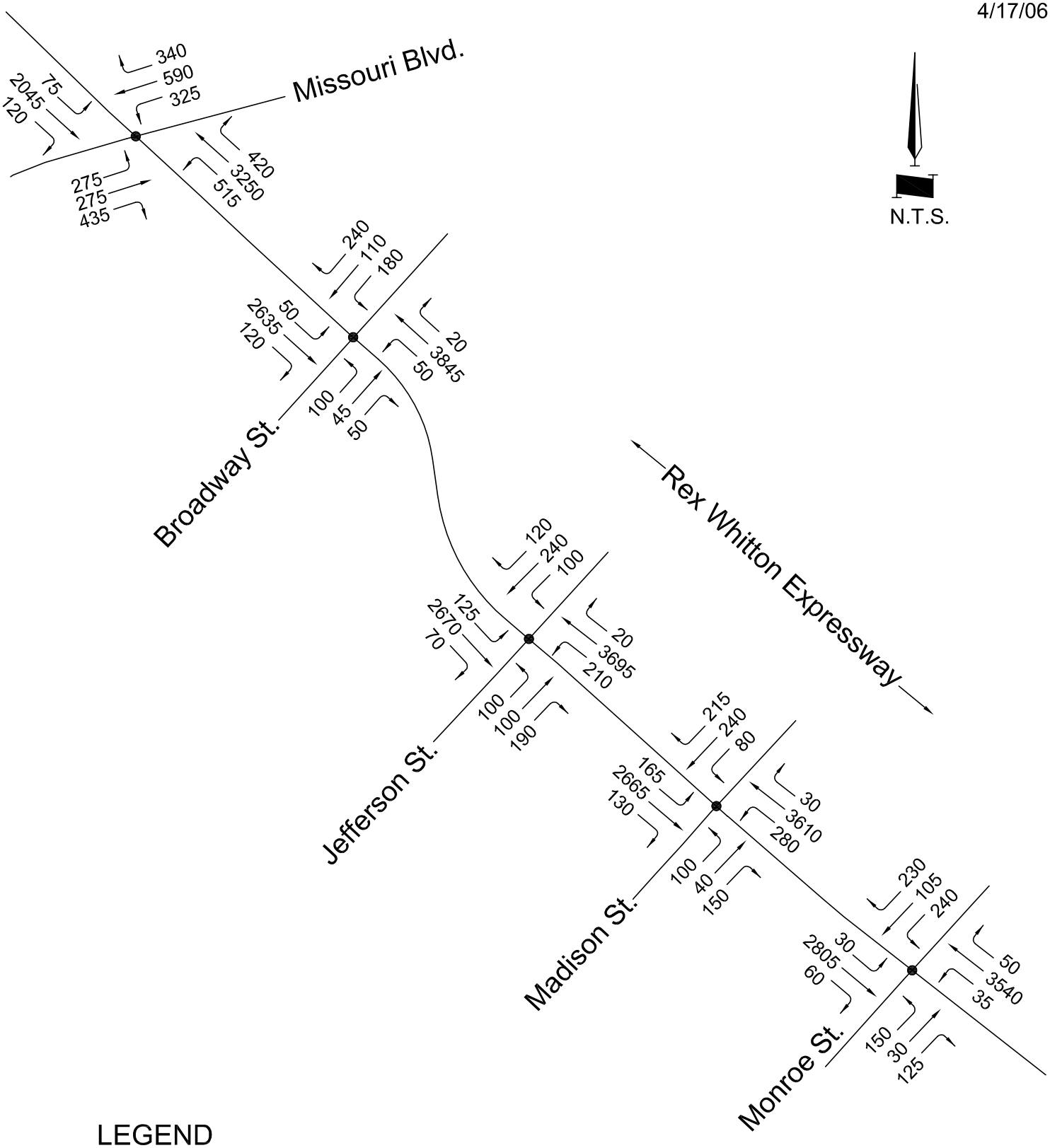


## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE D3-1*
*Future Traffic Volumes*
*Existing Geometrics*
*With CES Interchange*

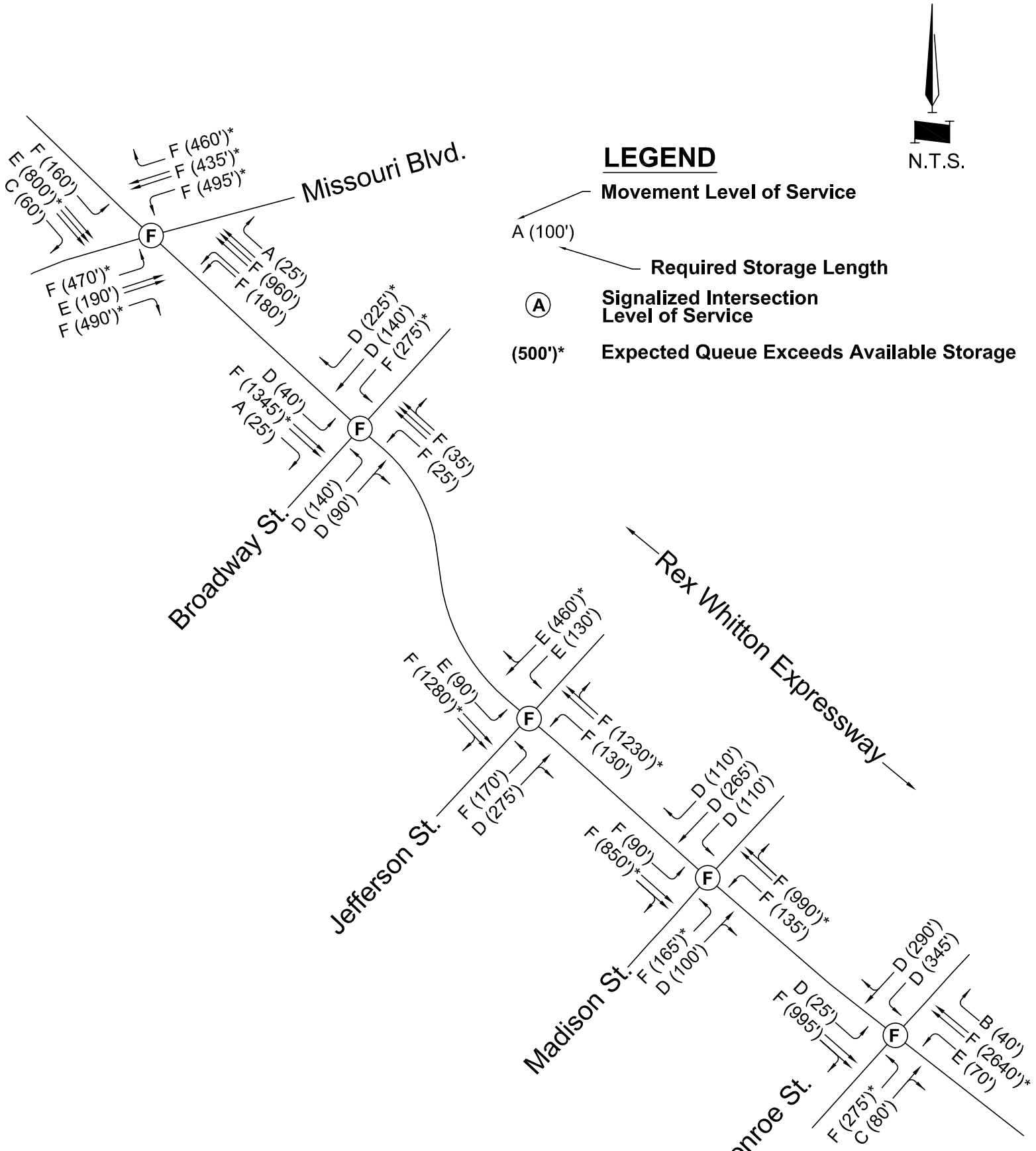


*FIGURE D4-1*
*2035 Levels of Service*
*Existing Geometrics*
*With CES Interchange*

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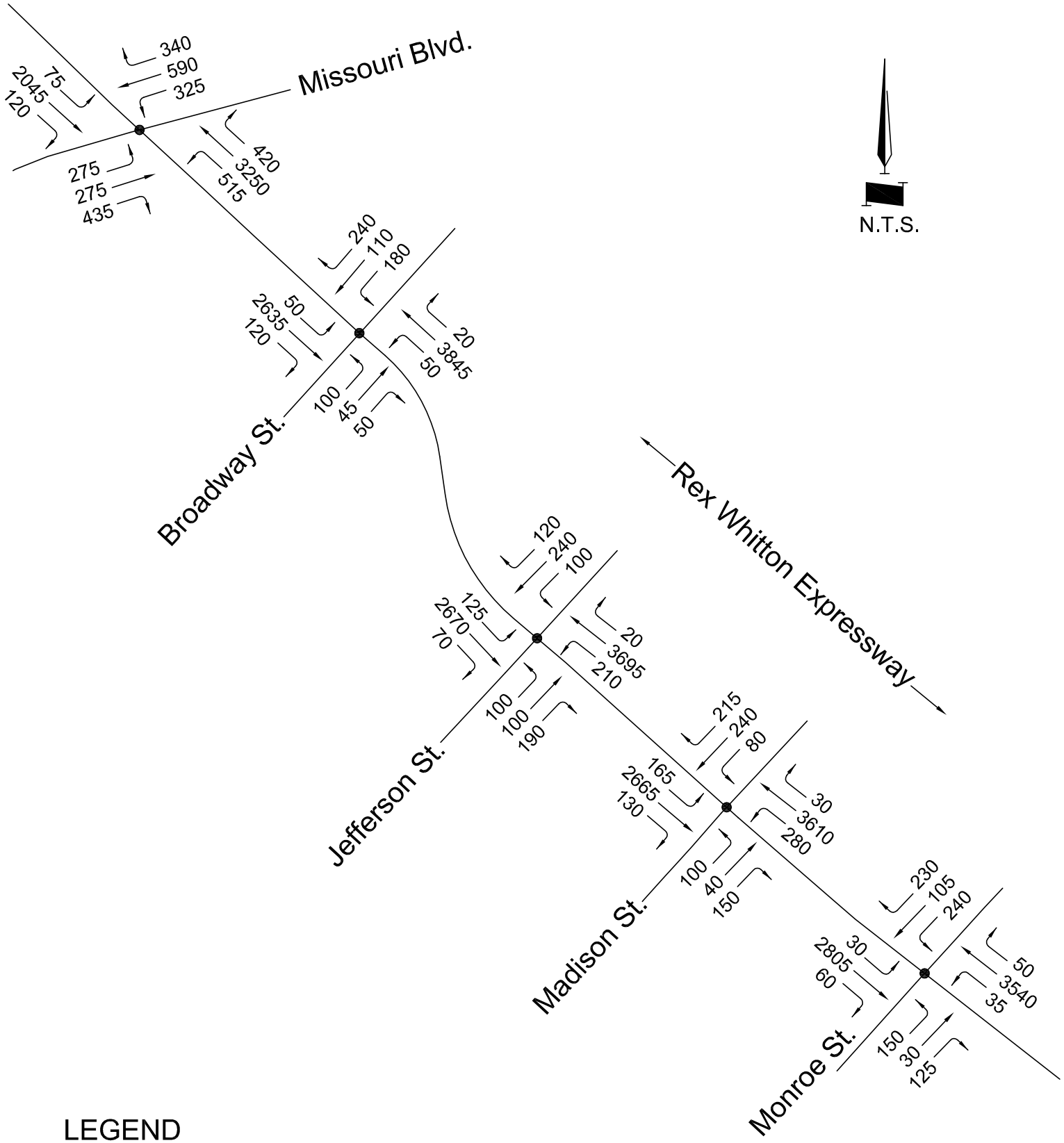


## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE E1-1*
*Base Concept 1*
*2035 Traffic Volumes*

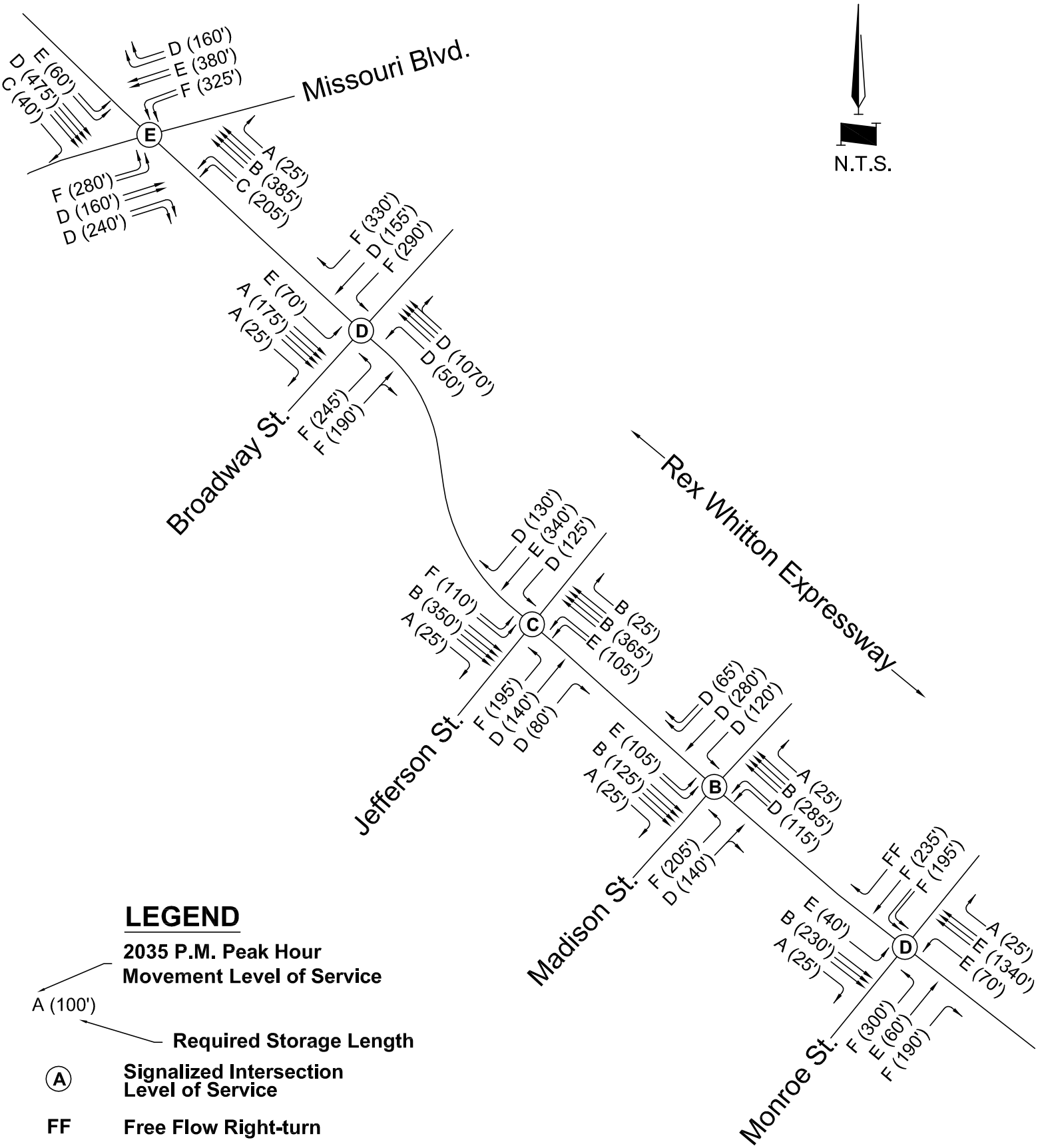


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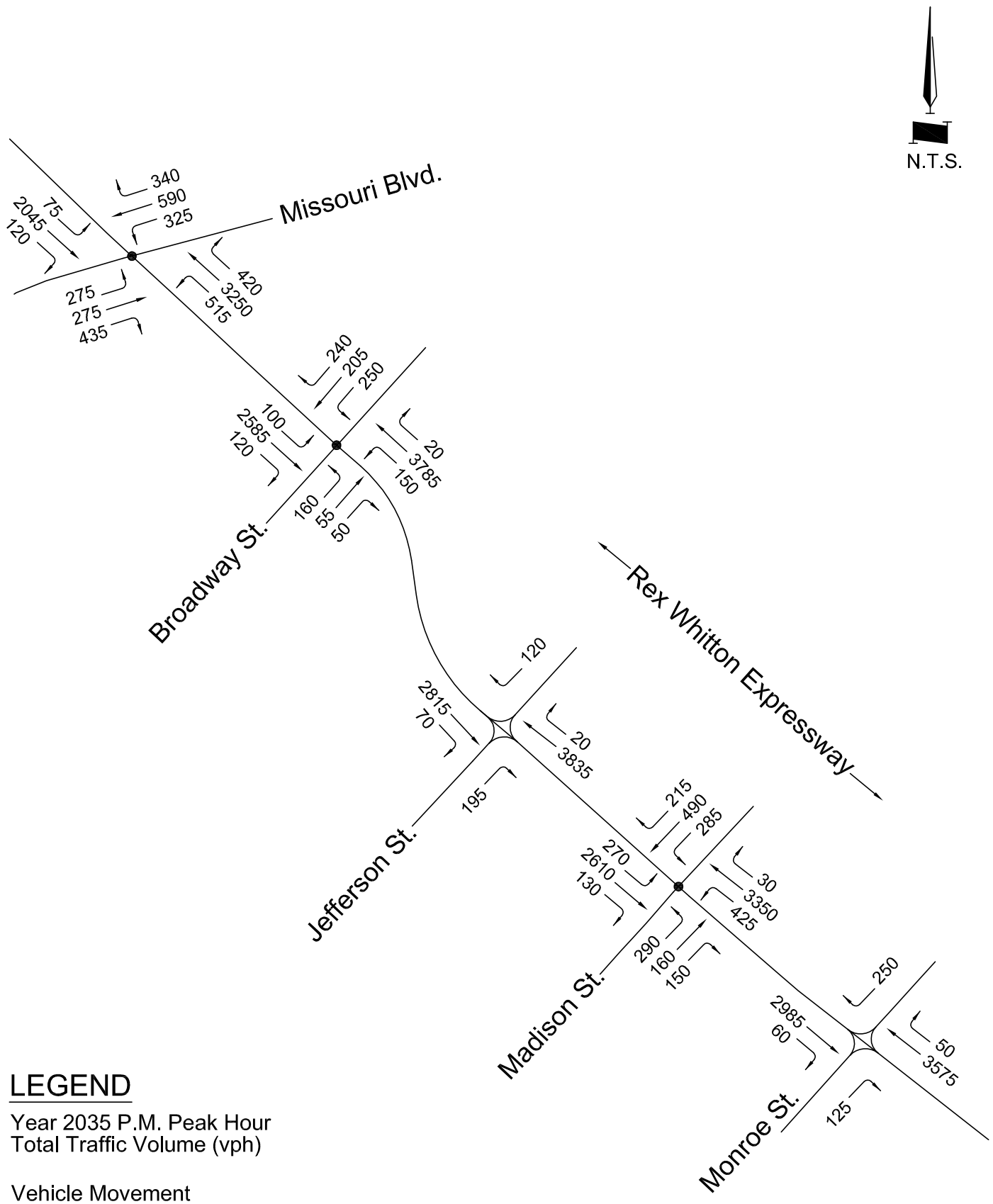
*FIGURE E1-2*
*Base Concept 1*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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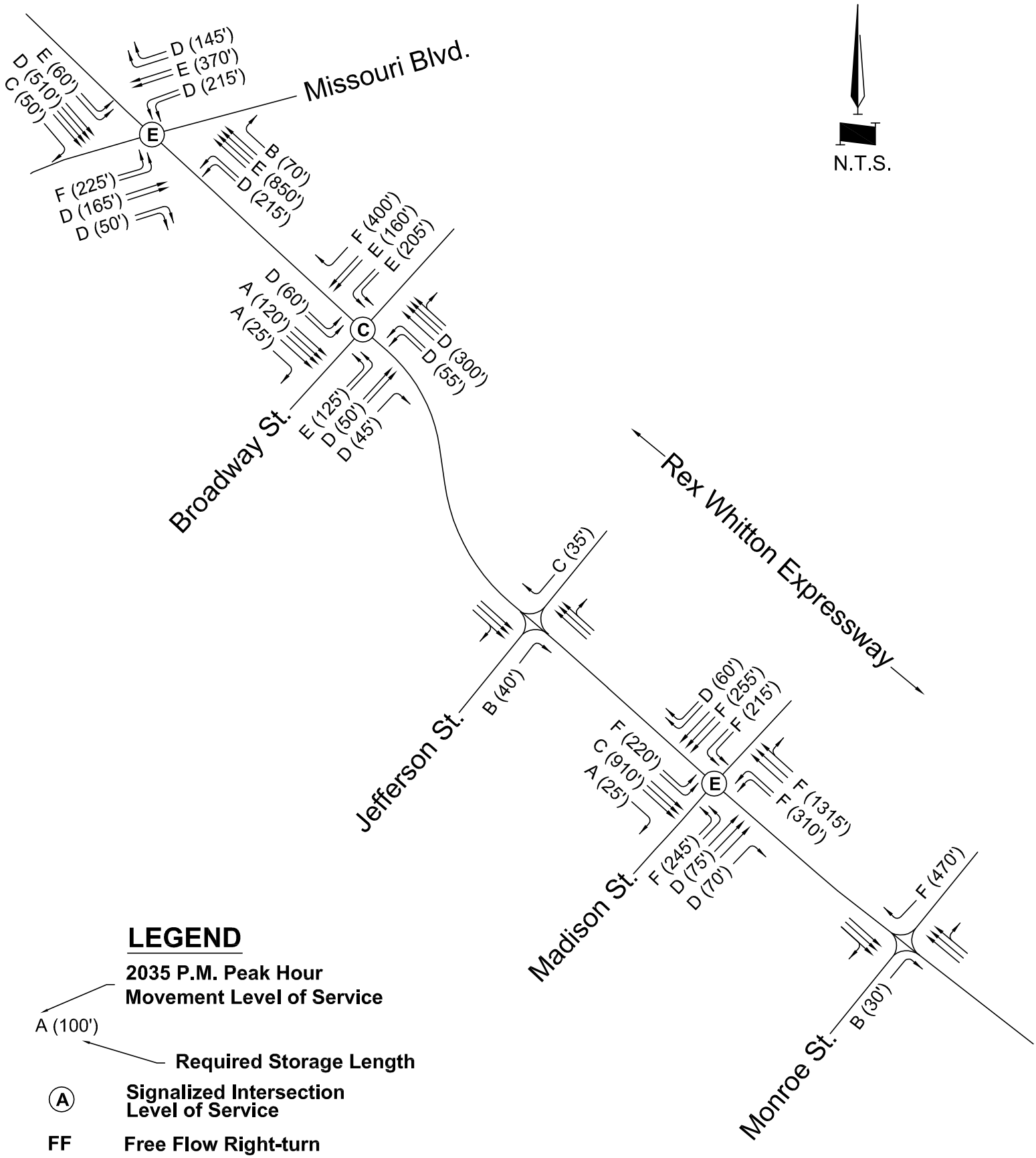
*FIGURE E2-1*
*Concept 2A*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

Ⓐ **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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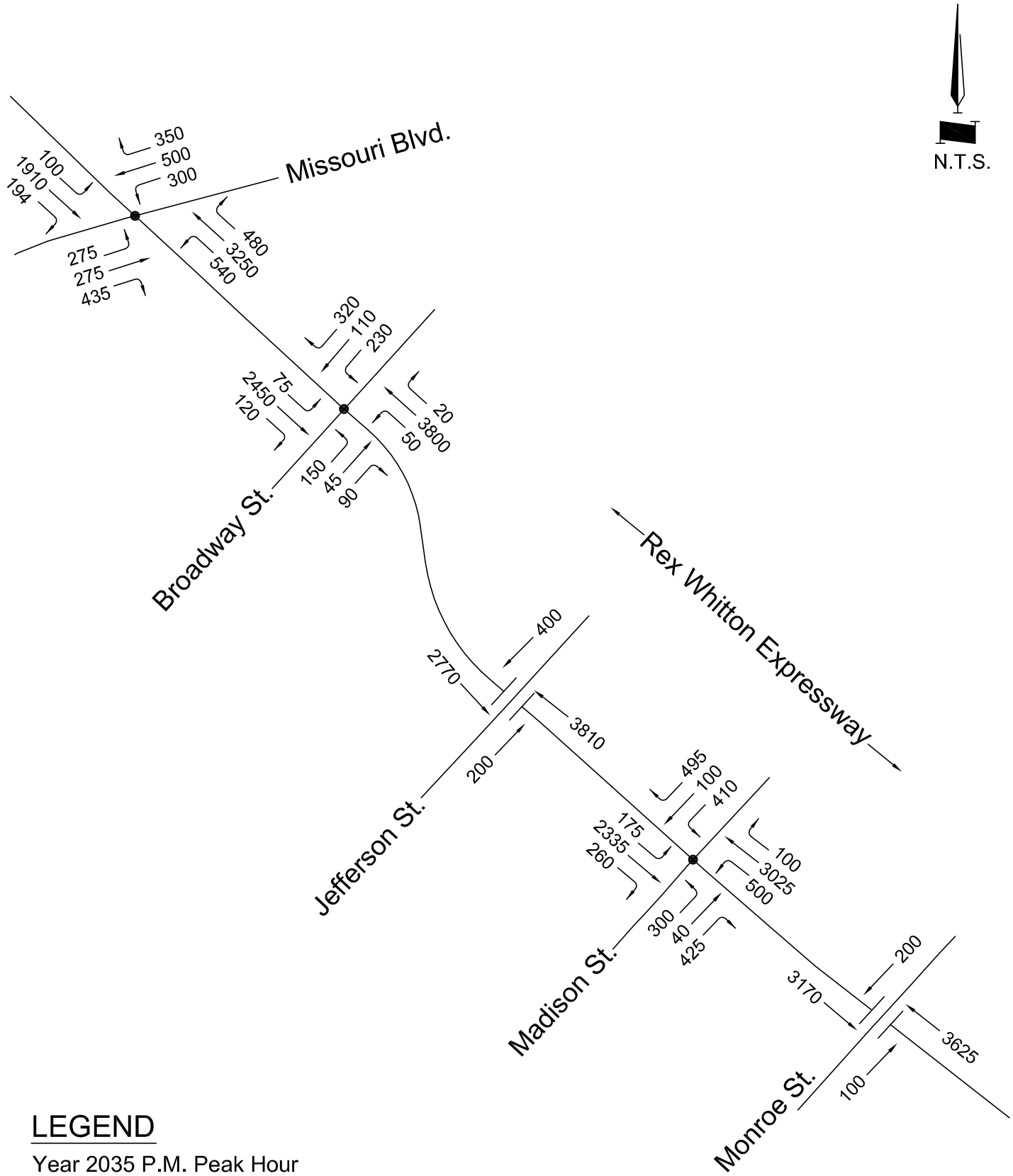
*FIGURE E2-2*
*Concept 2A*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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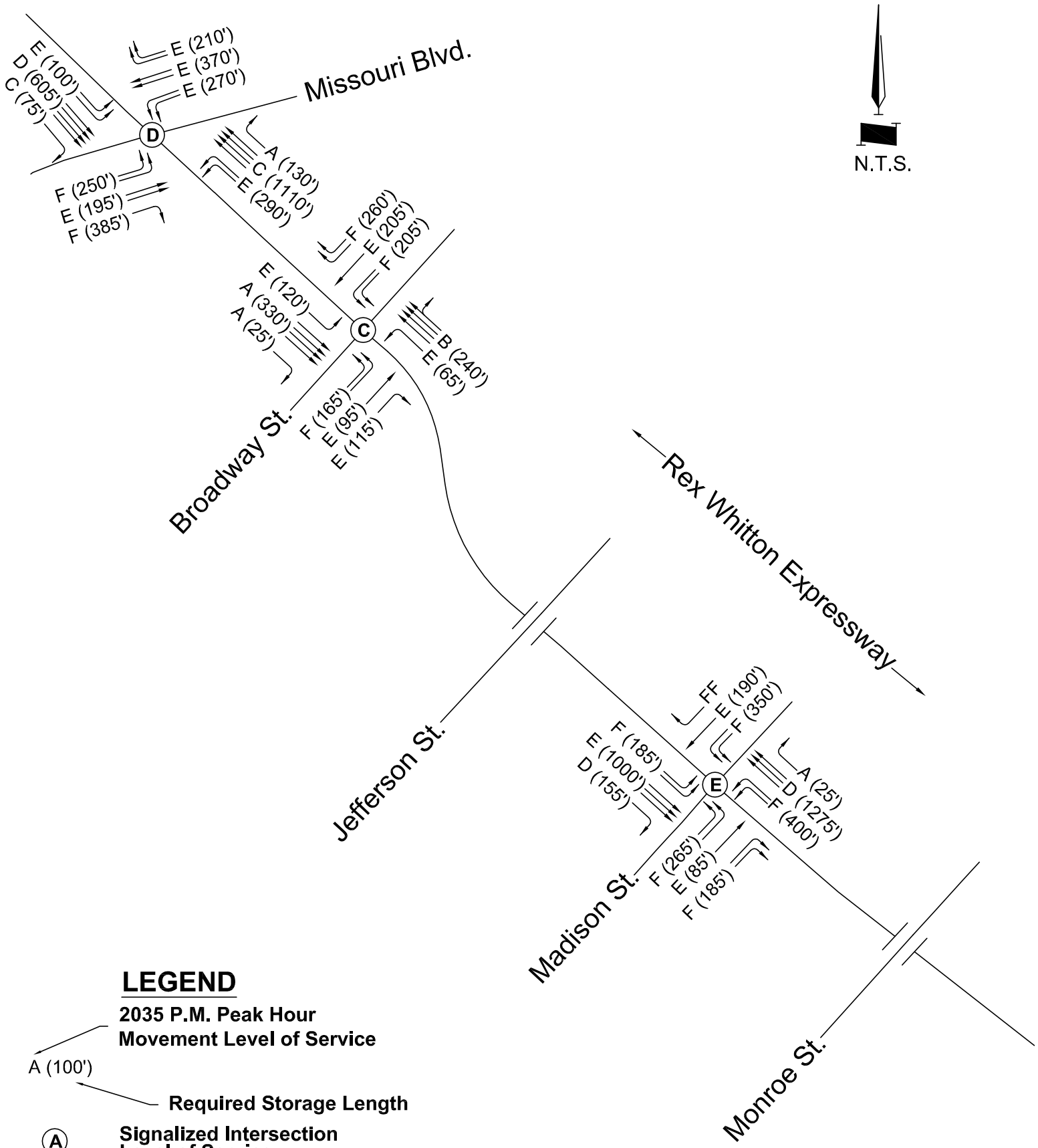
*FIGURE E3-1*
*Concept 2B*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100')

**Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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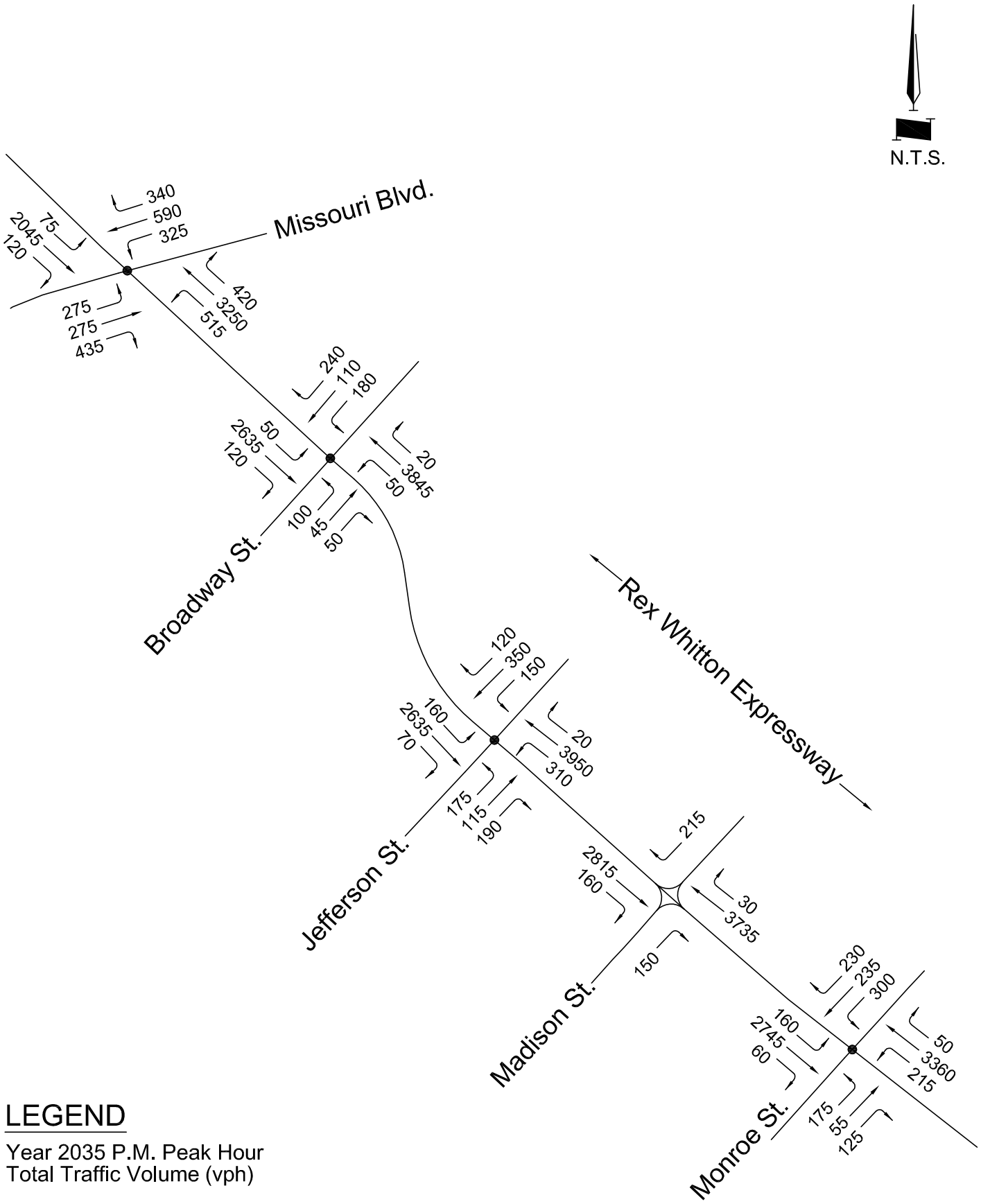
*FIGURE E3-2*
*Concept 2B*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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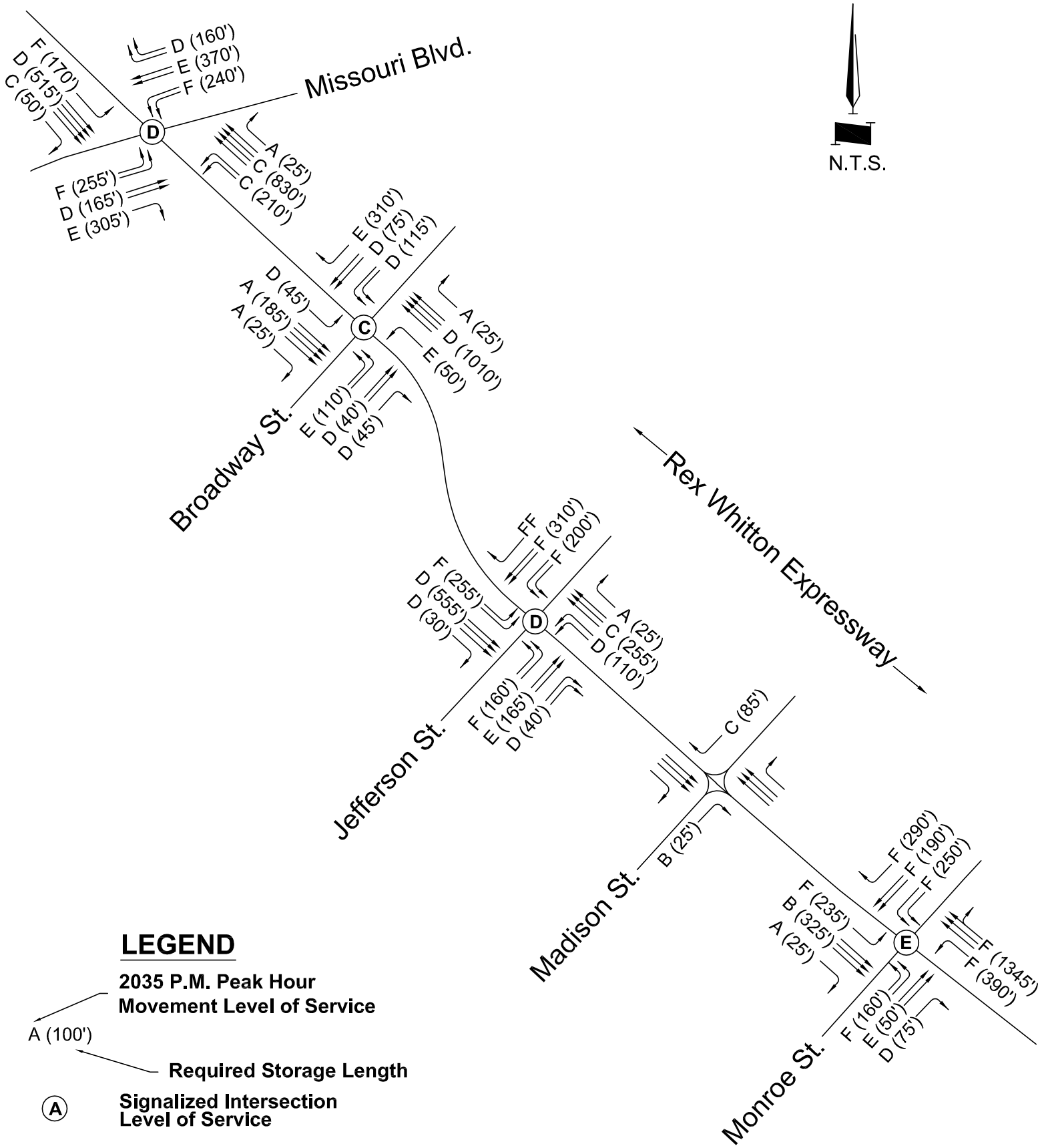
*FIGURE E4-1*
*Concept 3A*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100')

**Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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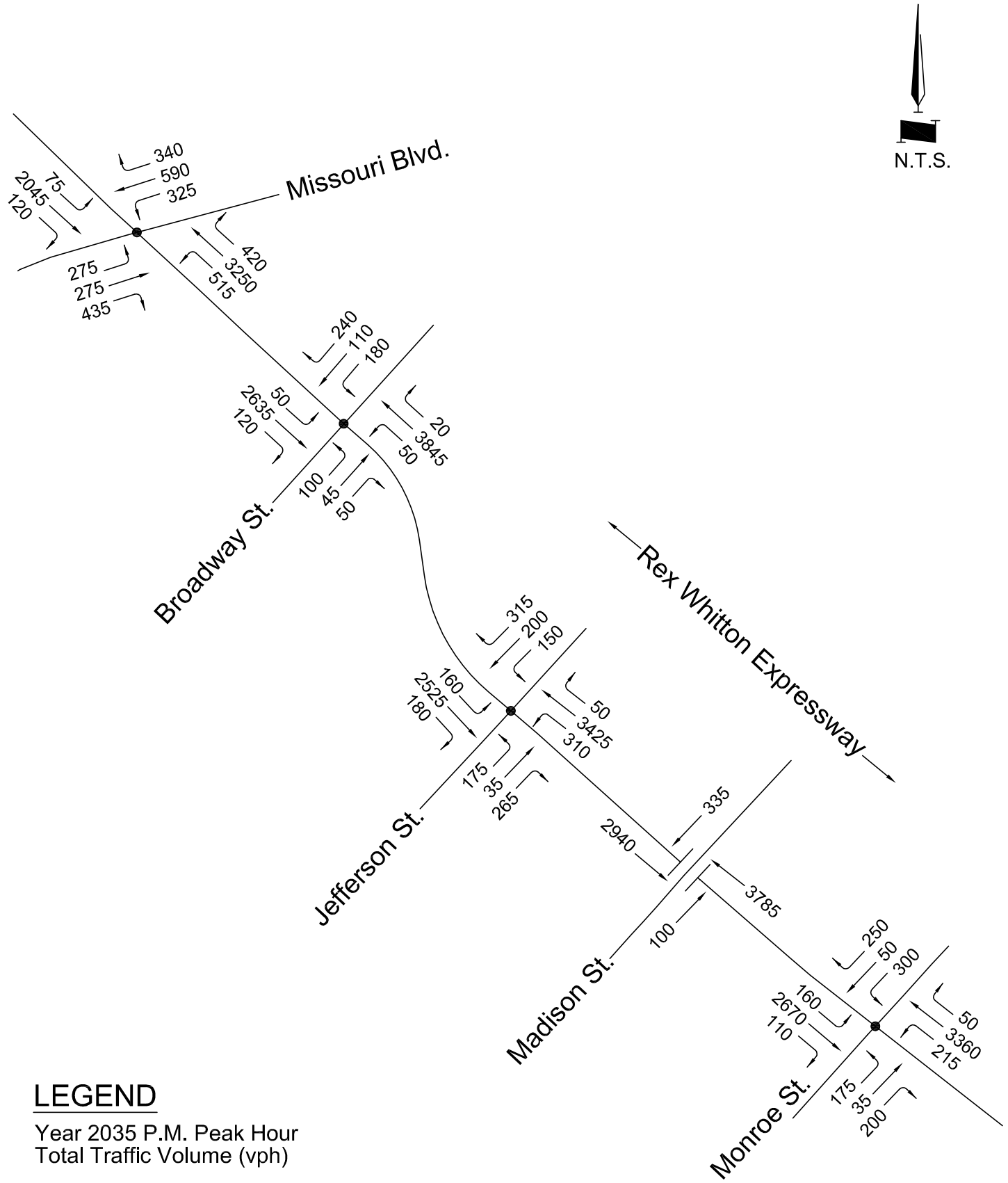
*FIGURE E4-2*
*Concept 3A*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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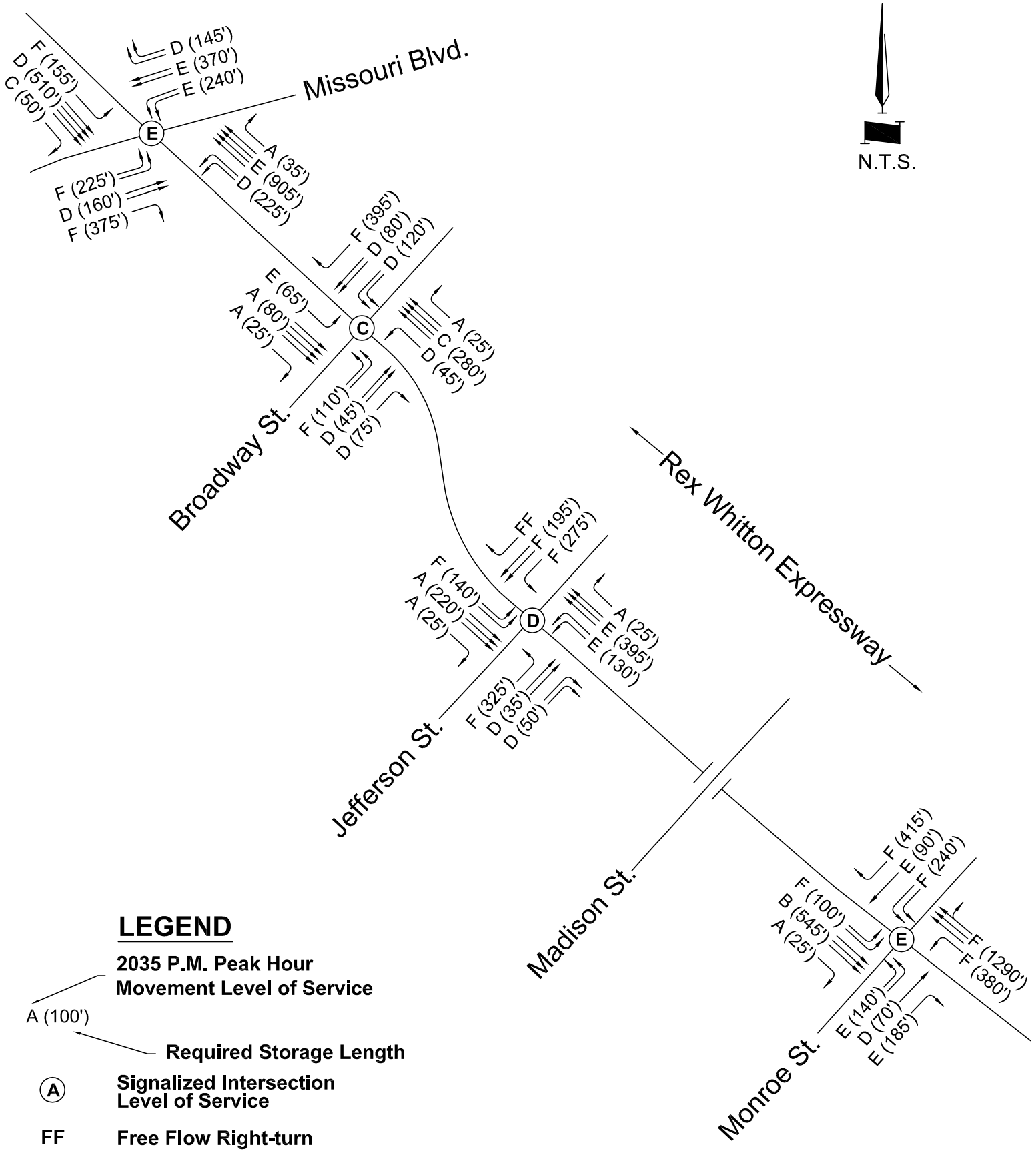
*FIGURE E5-1*
*Concept 3B*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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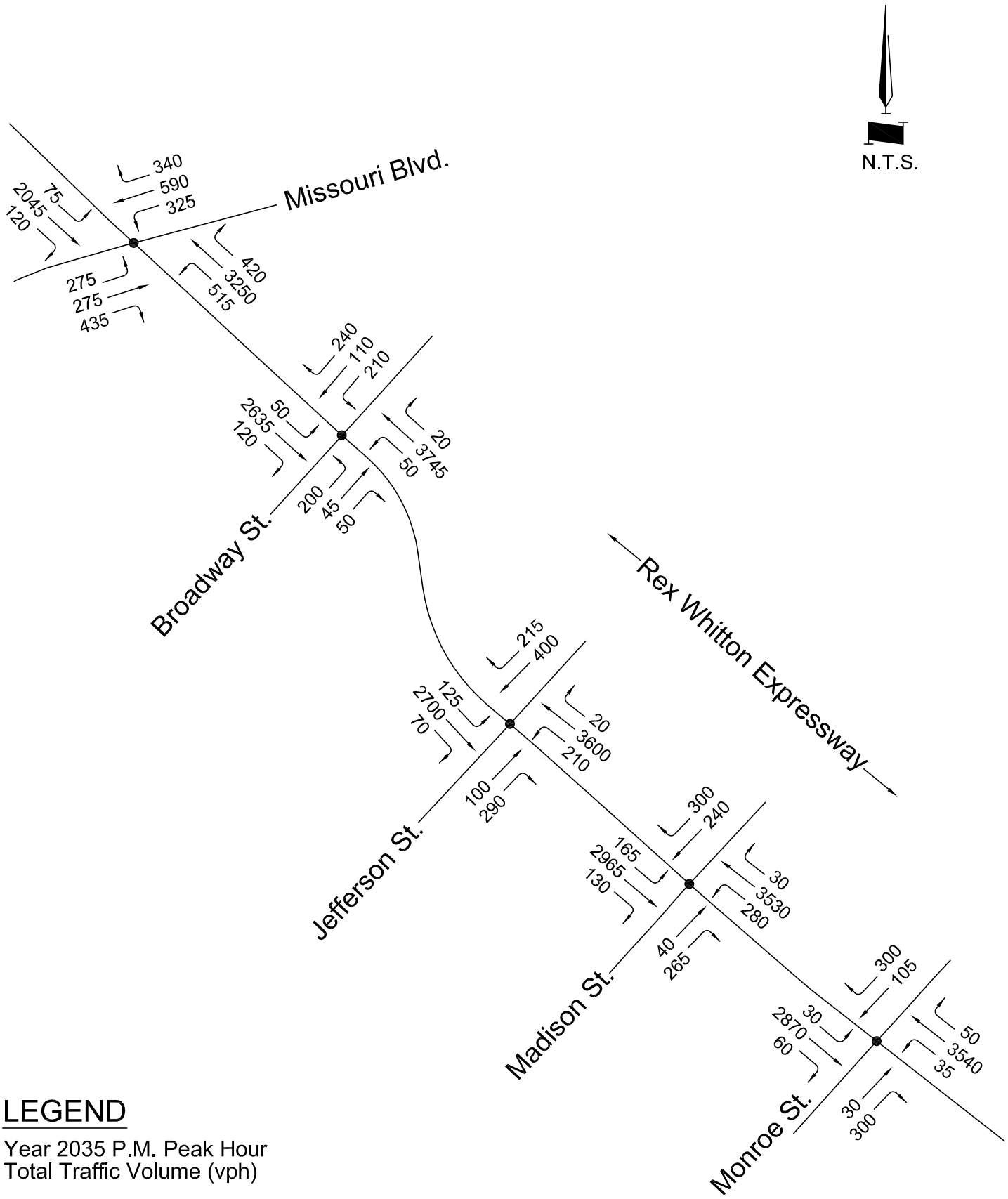
*FIGURE E5-2*
*Concept 3B*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE E6-1*
*Concept 4A*
*2035 Traffic Volumes*

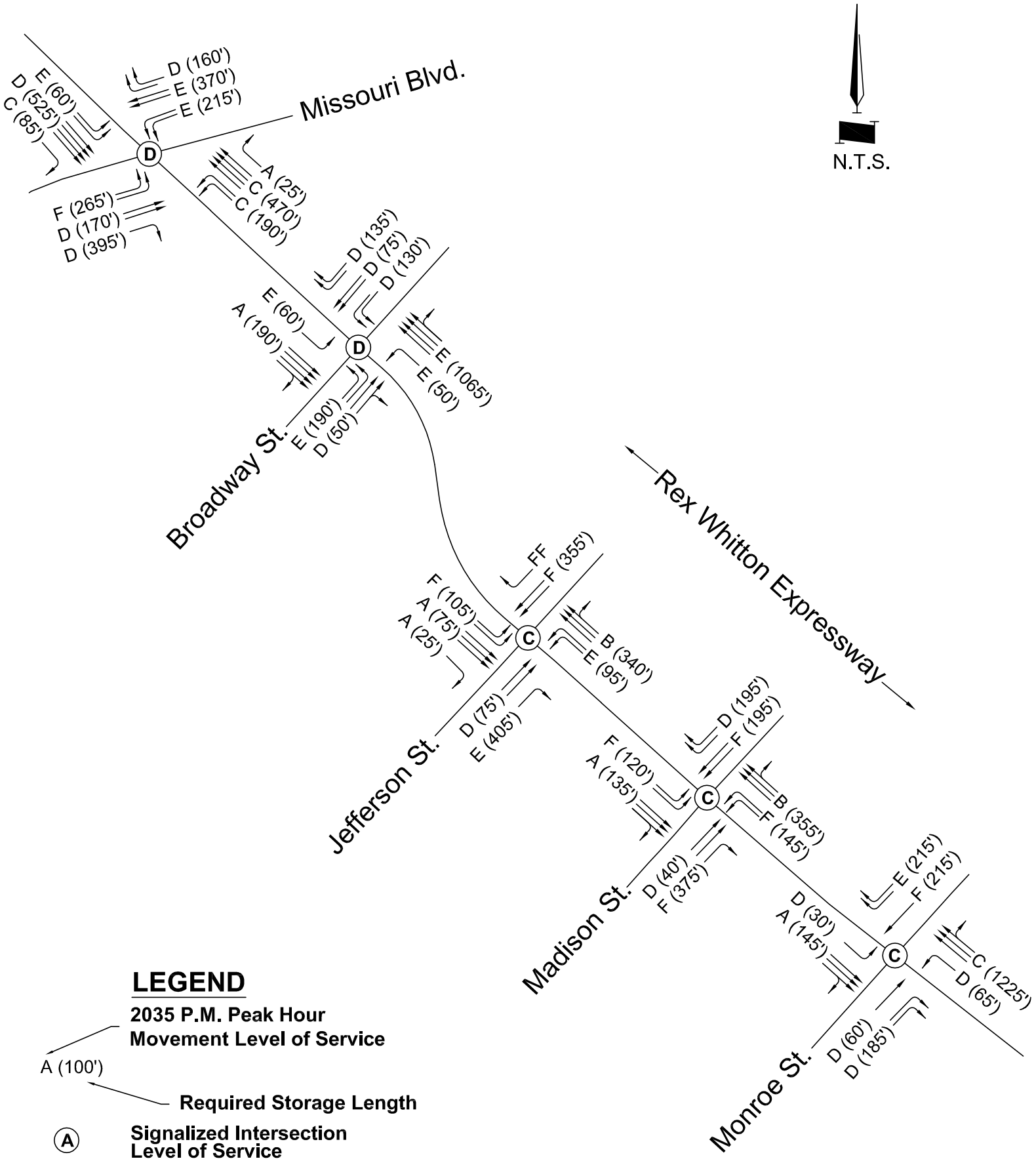


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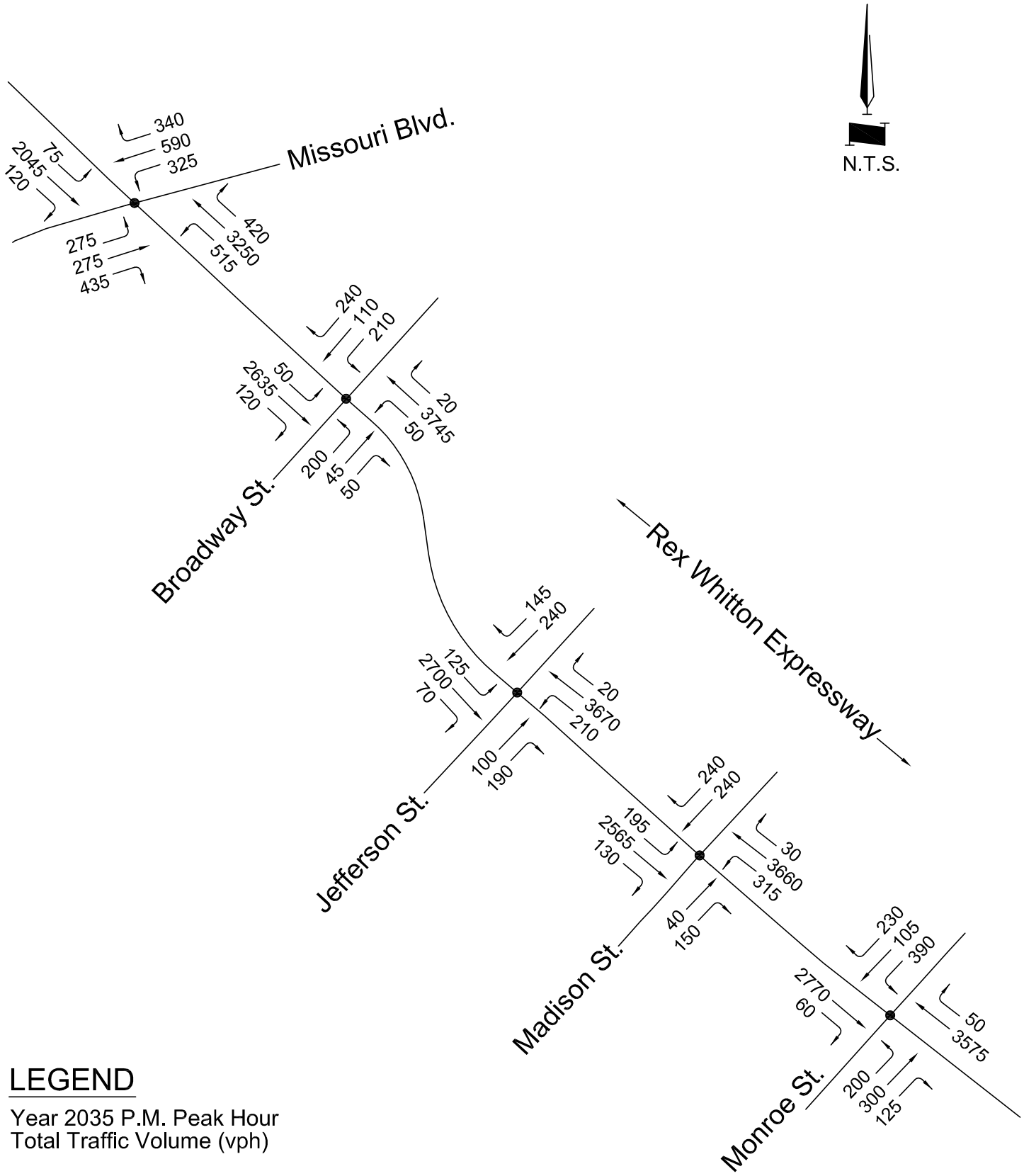
*FIGURE E6-2*
*Concept 4A*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE E7-1*
*Concept 4B*
*2035 Traffic Volumes*

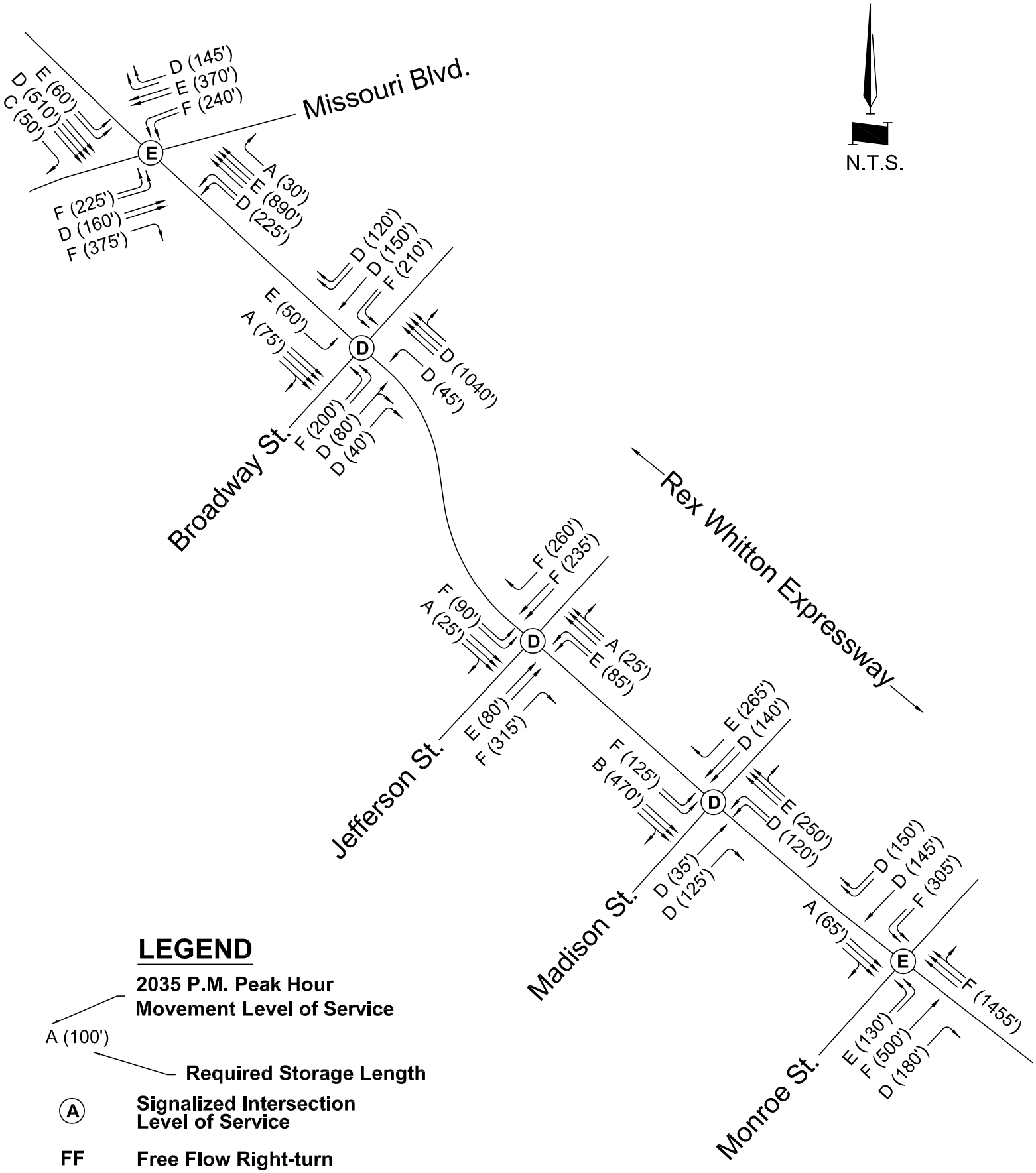


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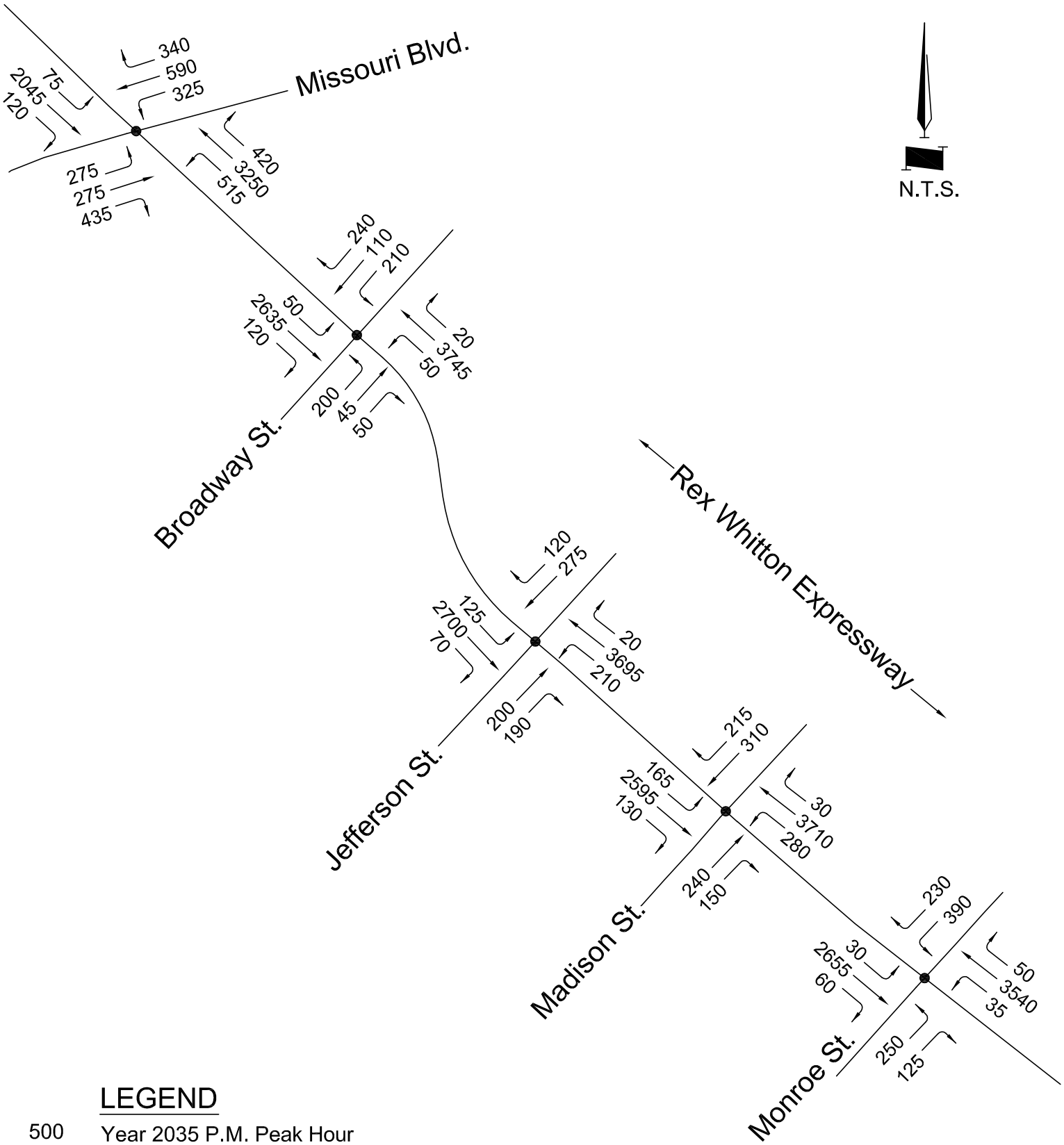
*FIGURE E7-2*
*Concept 4B*
*2035 Levels of Service*




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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*FIGURE E8-1*
*Concept 4C*
*2035 Traffic Volumes*

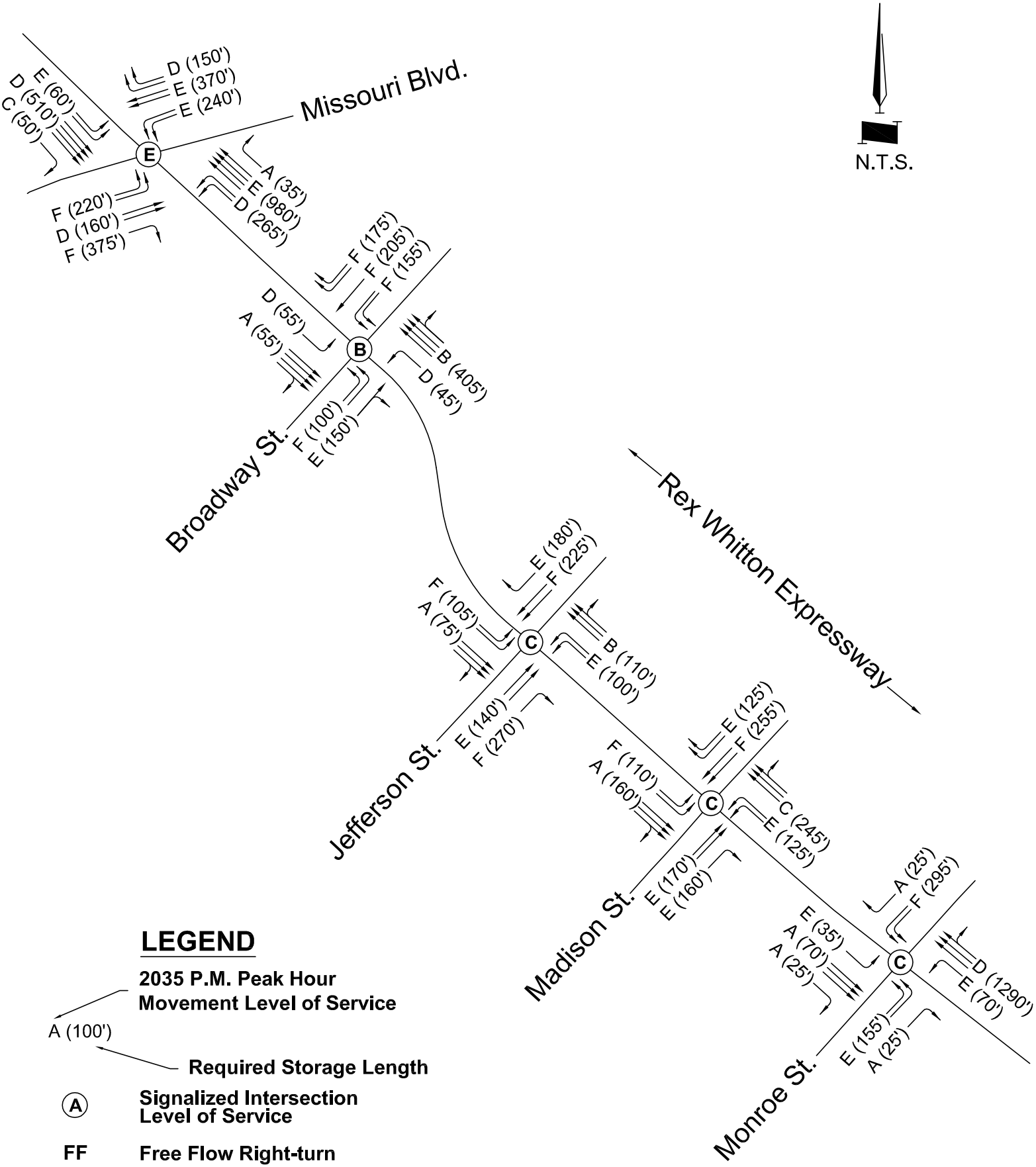


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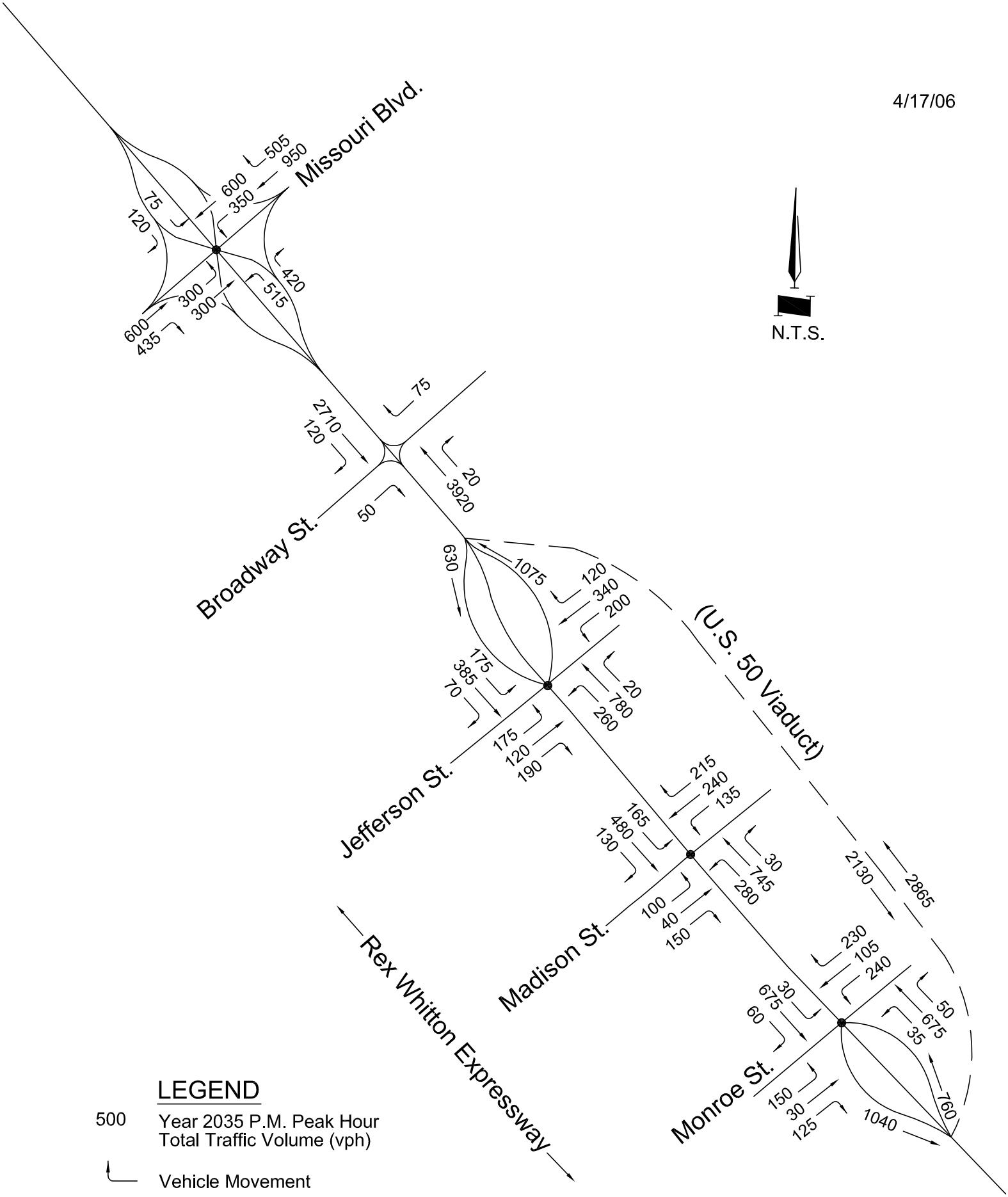
*FIGURE E8-2*
*Concept 4C*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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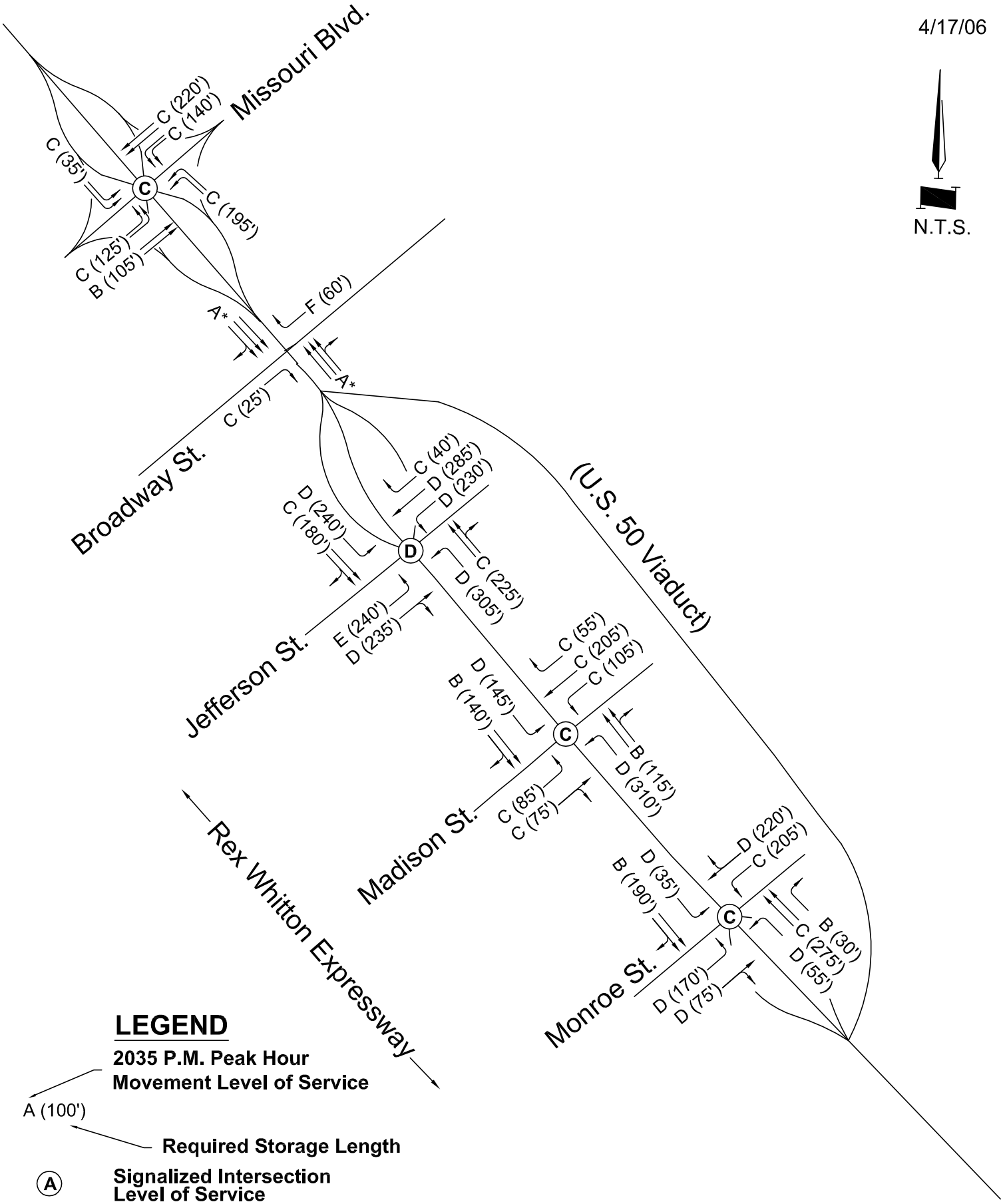
*Figure E9-1*
*Concept 5*
*2035 Traffic Volumes*

4/17/06




N.T.S.

## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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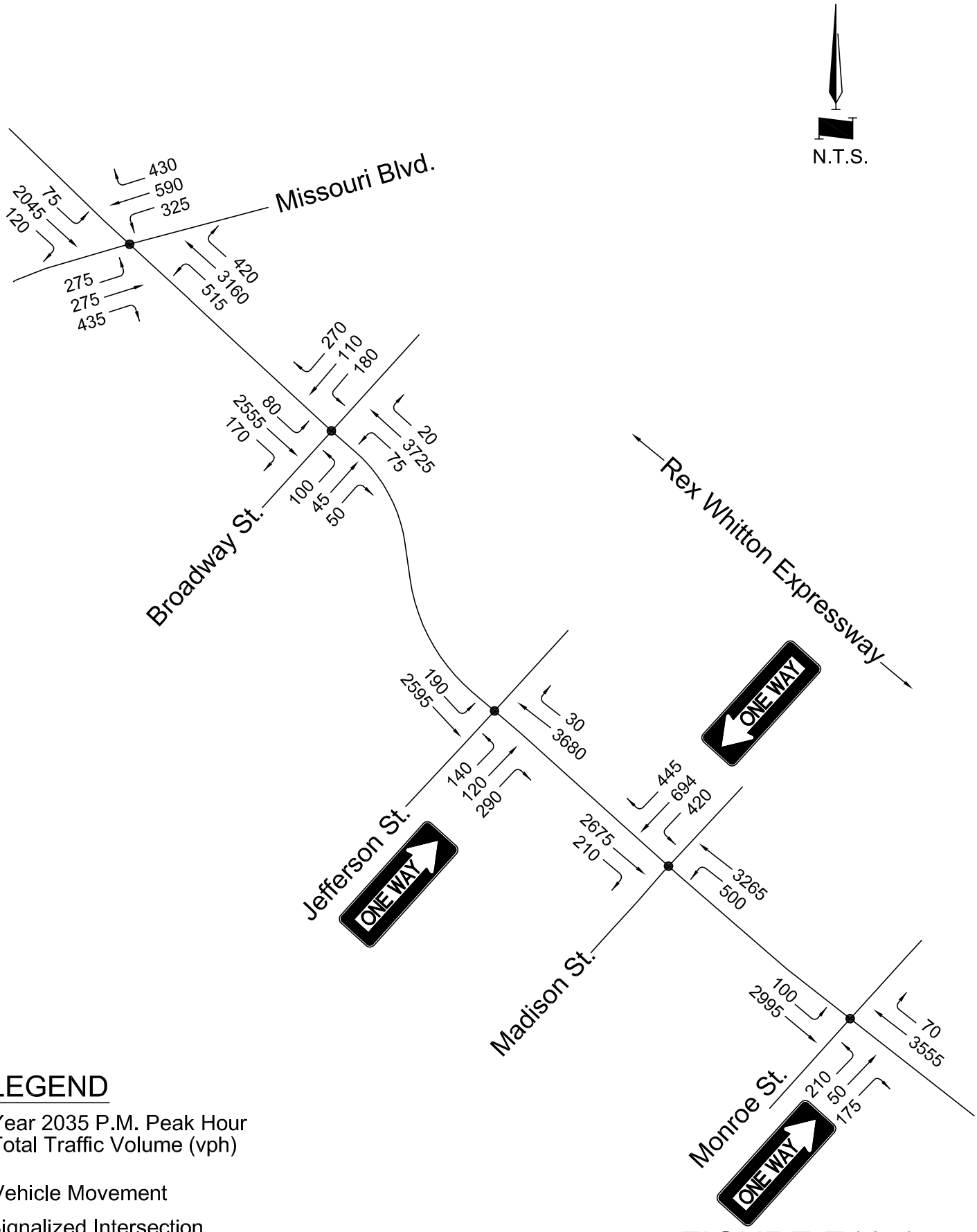
*Figure E9-2*
*Concept 5*
*2035 Levels of Service*




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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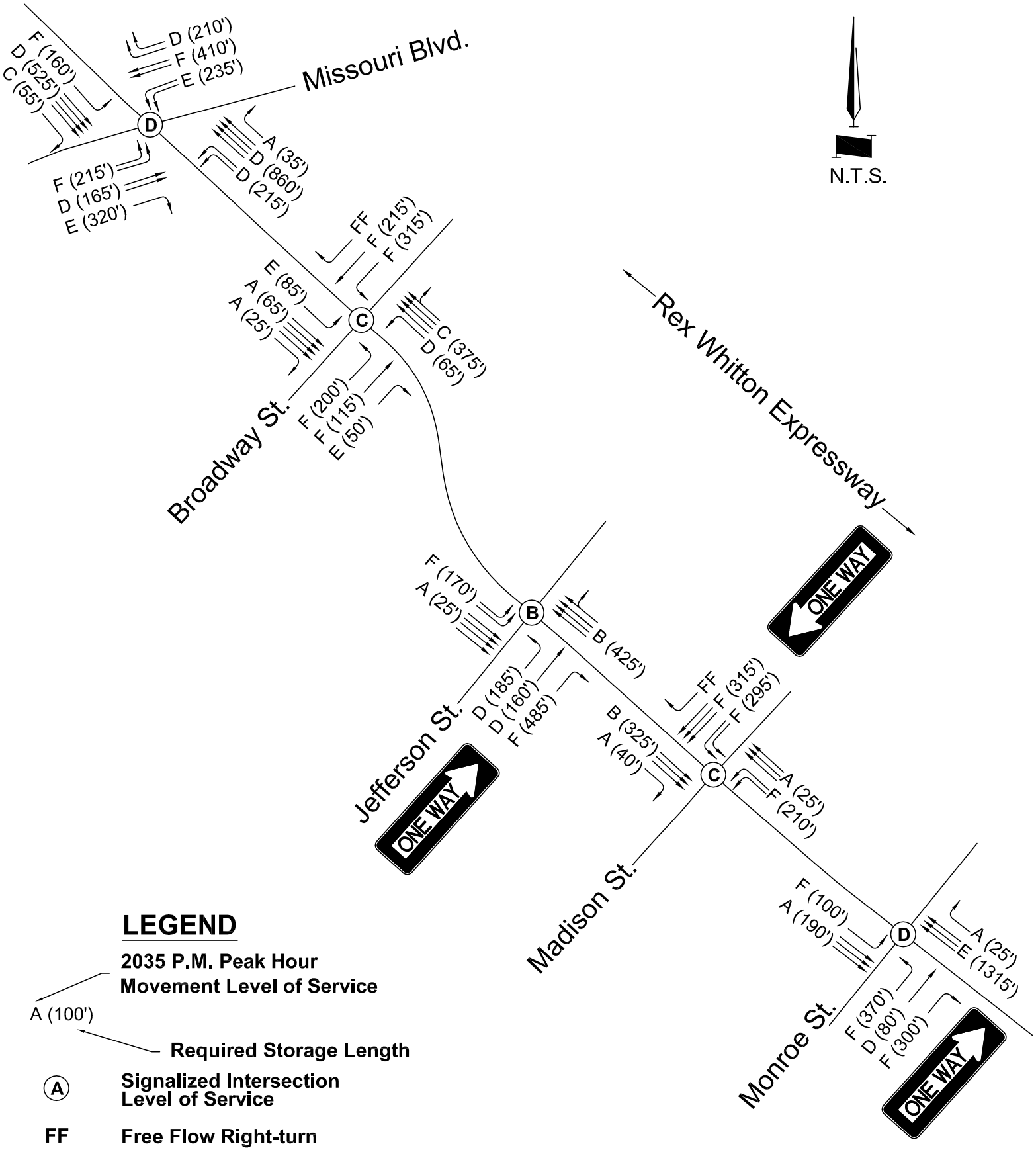
*FIGURE E10-1*
*Concept 6*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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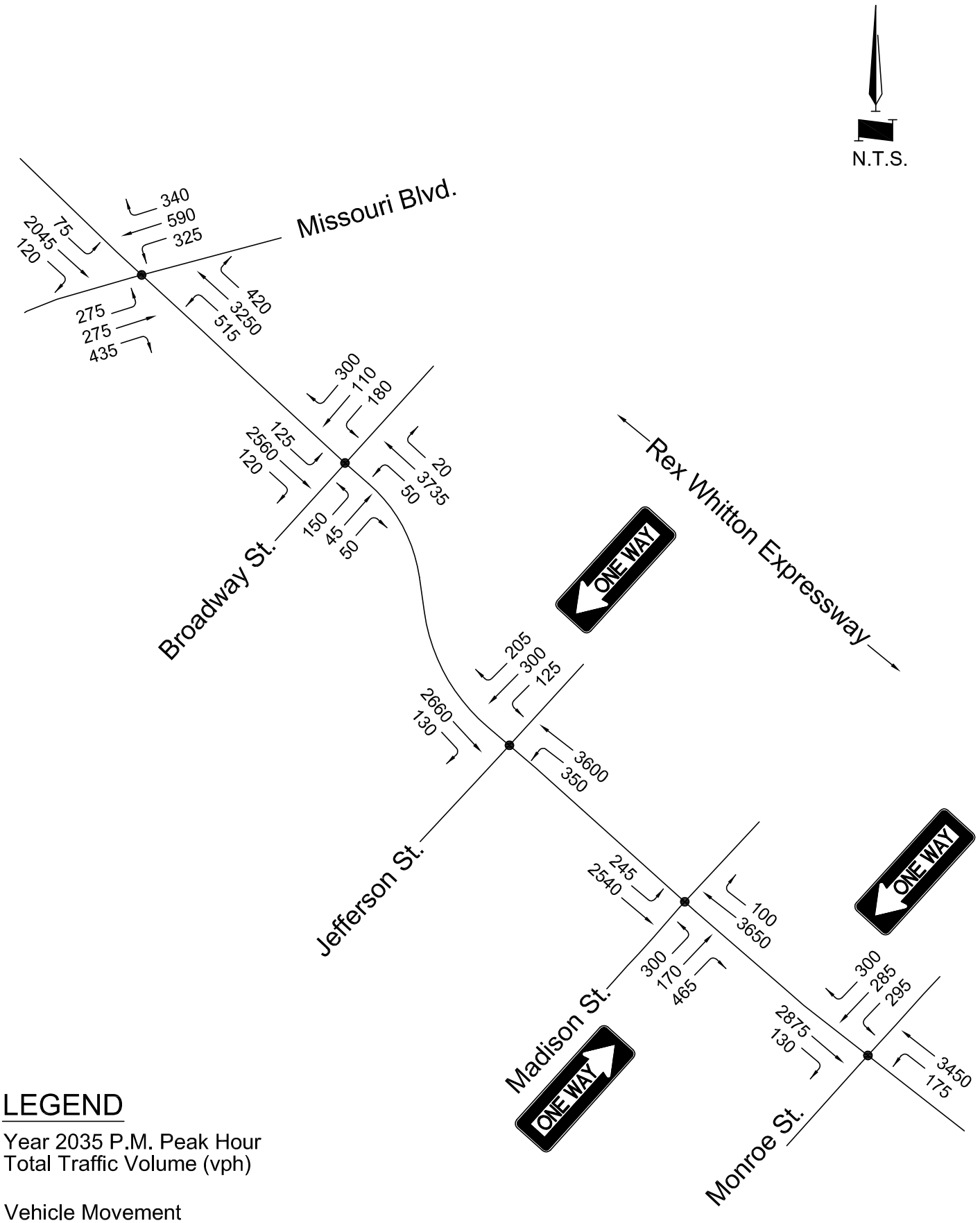
*FIGURE E10-2*
*Concept 6*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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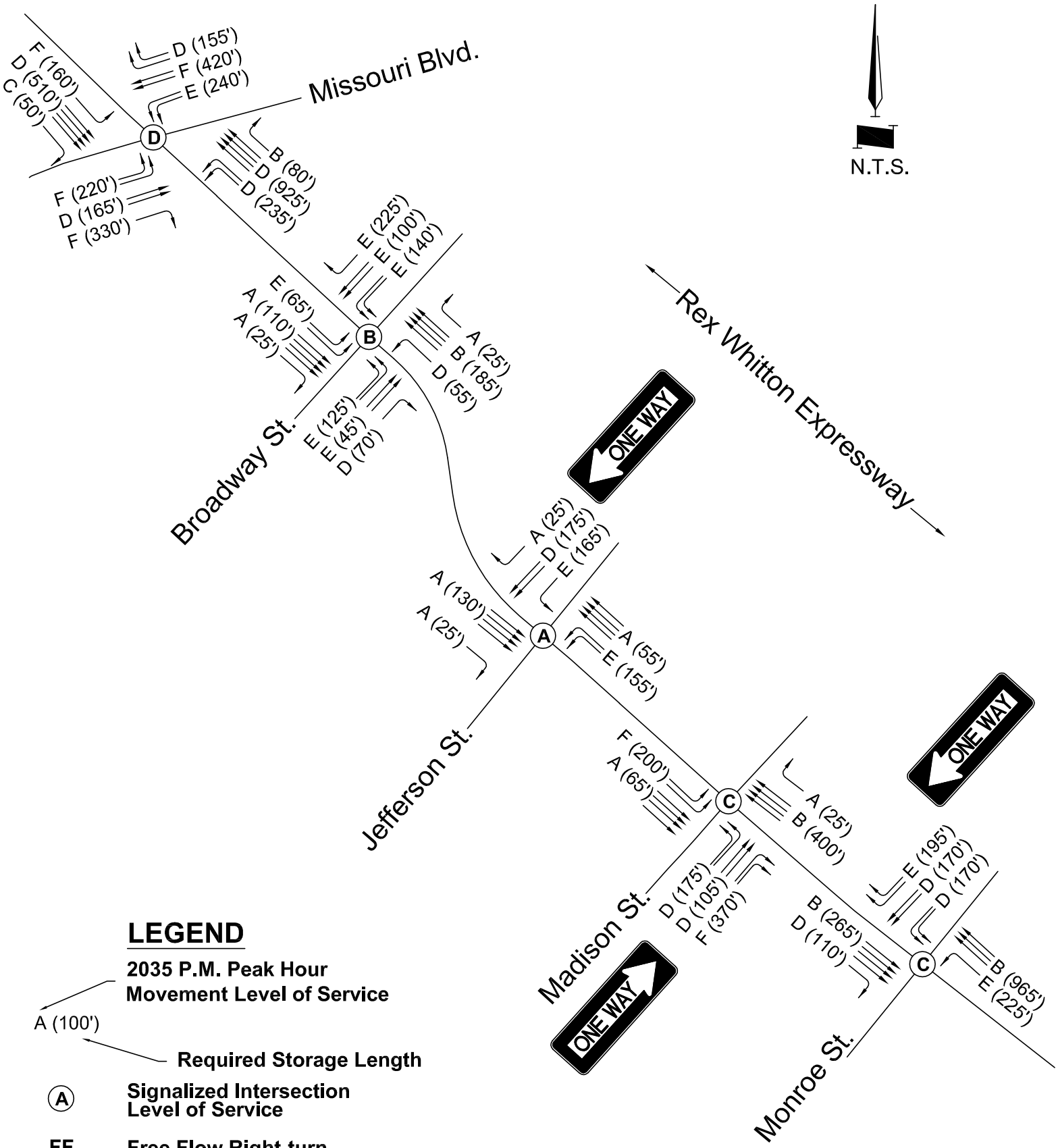
*FIGURE E11-1*
*Concept 7*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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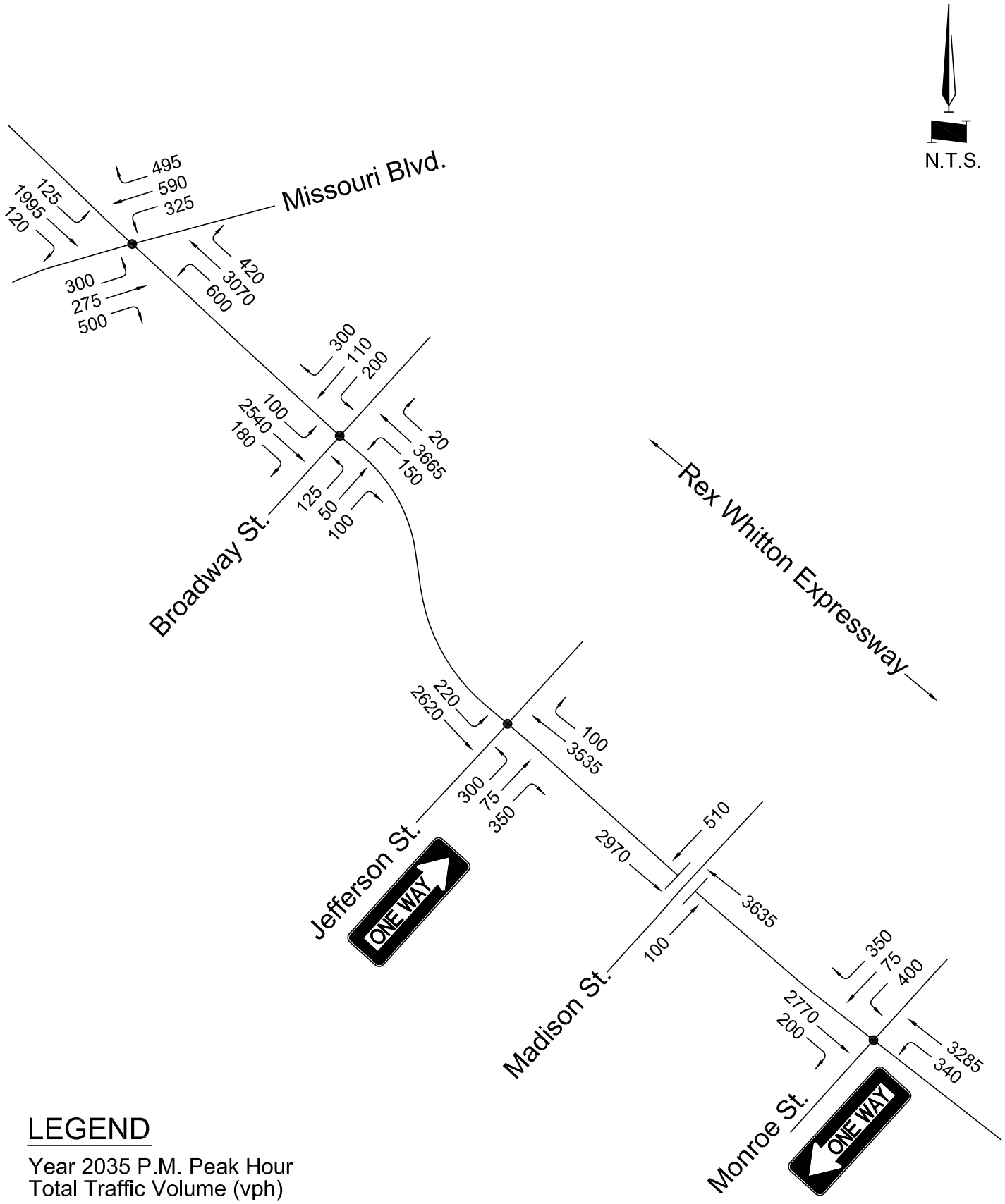
*FIGURE E11-2*
*Concept 7*
*2035 Levels of Service*

4/17/06




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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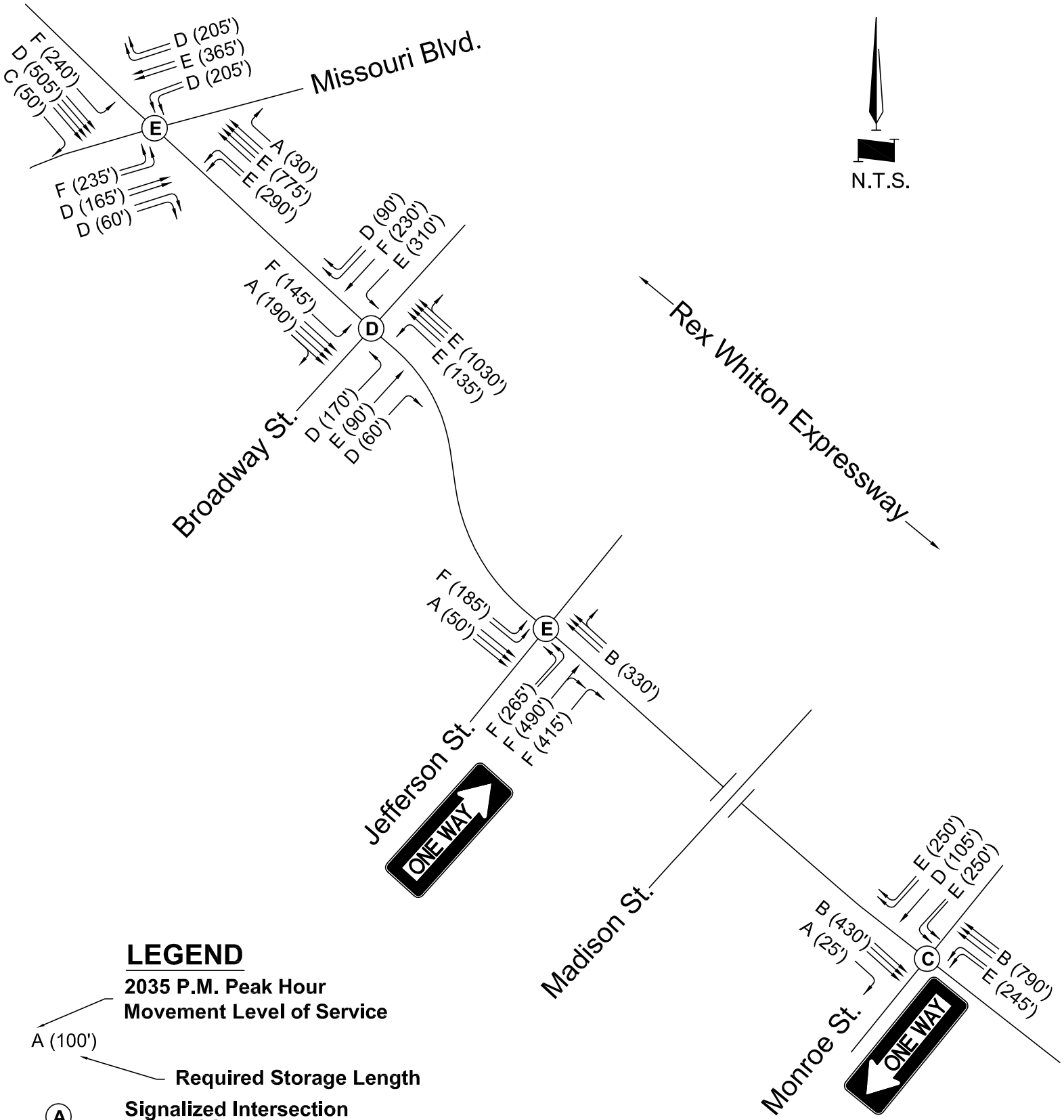
*FIGURE E12-1*
*Concept 8*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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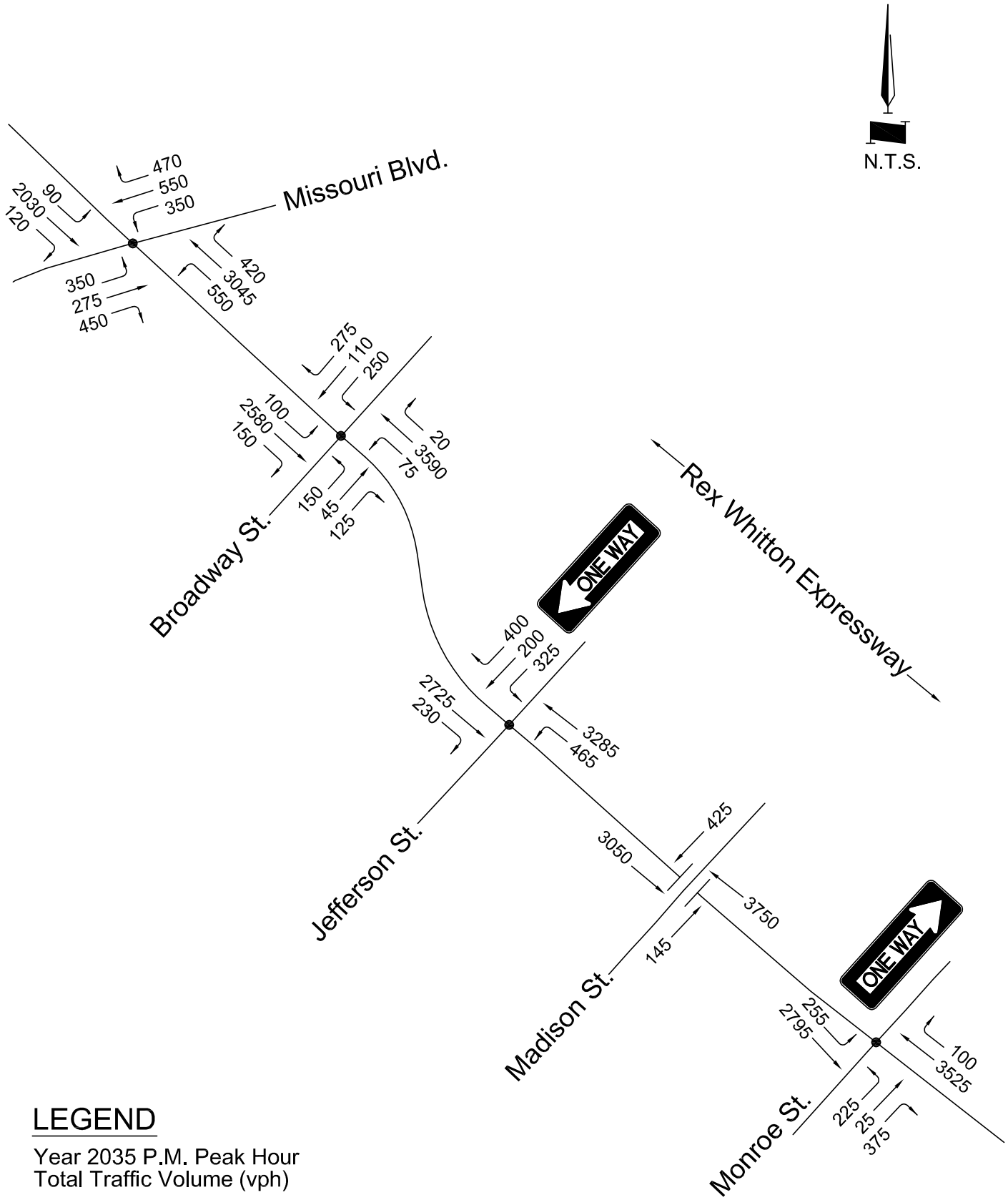
*FIGURE E12-2*
*Concept 8*
*2035 Levels of Service*




## LEGEND

500 Year 2035 P.M. Peak Hour Total Traffic Volume (vph)

Vehicle Movement

Signalized Intersection

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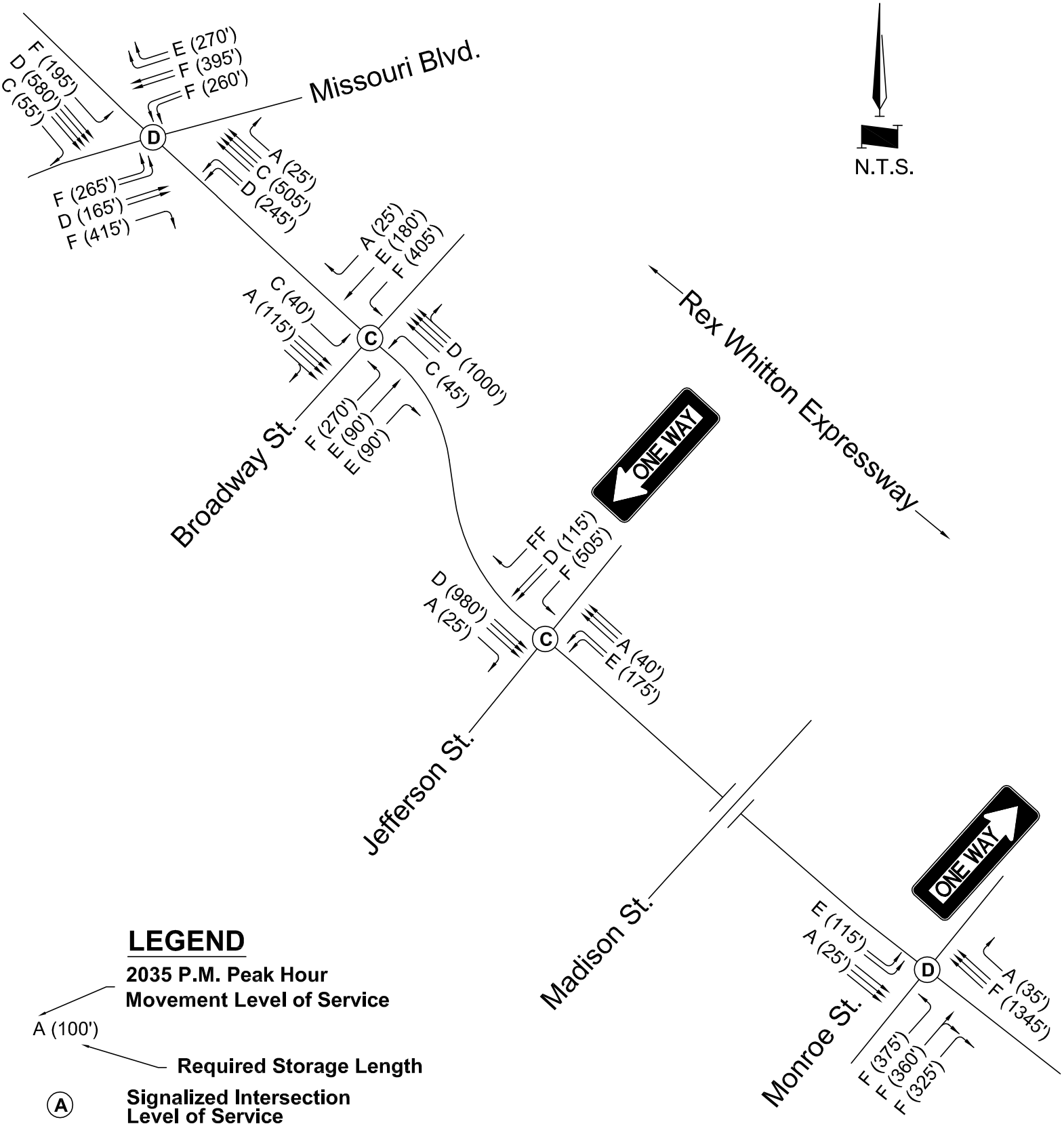
*FIGURE13-1*
*Concept 9*
*2035 Traffic Volumes*




## LEGEND

**2035 P.M. Peak Hour Movement Level of Service**

A (100') — **Required Storage Length**

(A) **Signalized Intersection Level of Service**

**FF** **Free Flow Right-turn**

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*FIGURE E13-2*
*Concept 9*
*2035 Levels of Service*

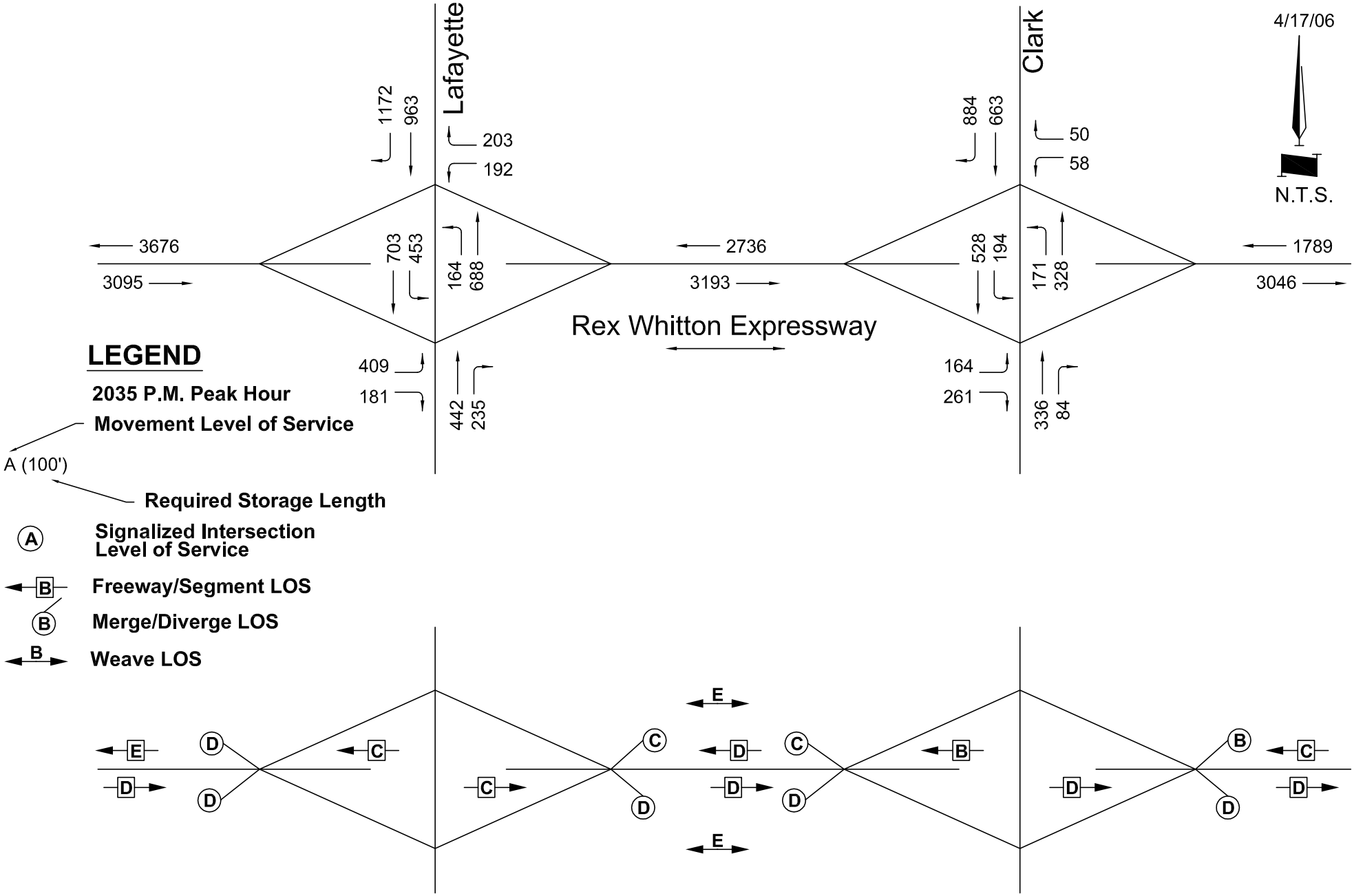


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*FIGURE E15-1*
*Lafayette Street Interchange*
*2035 Volumes & Levels of Service*

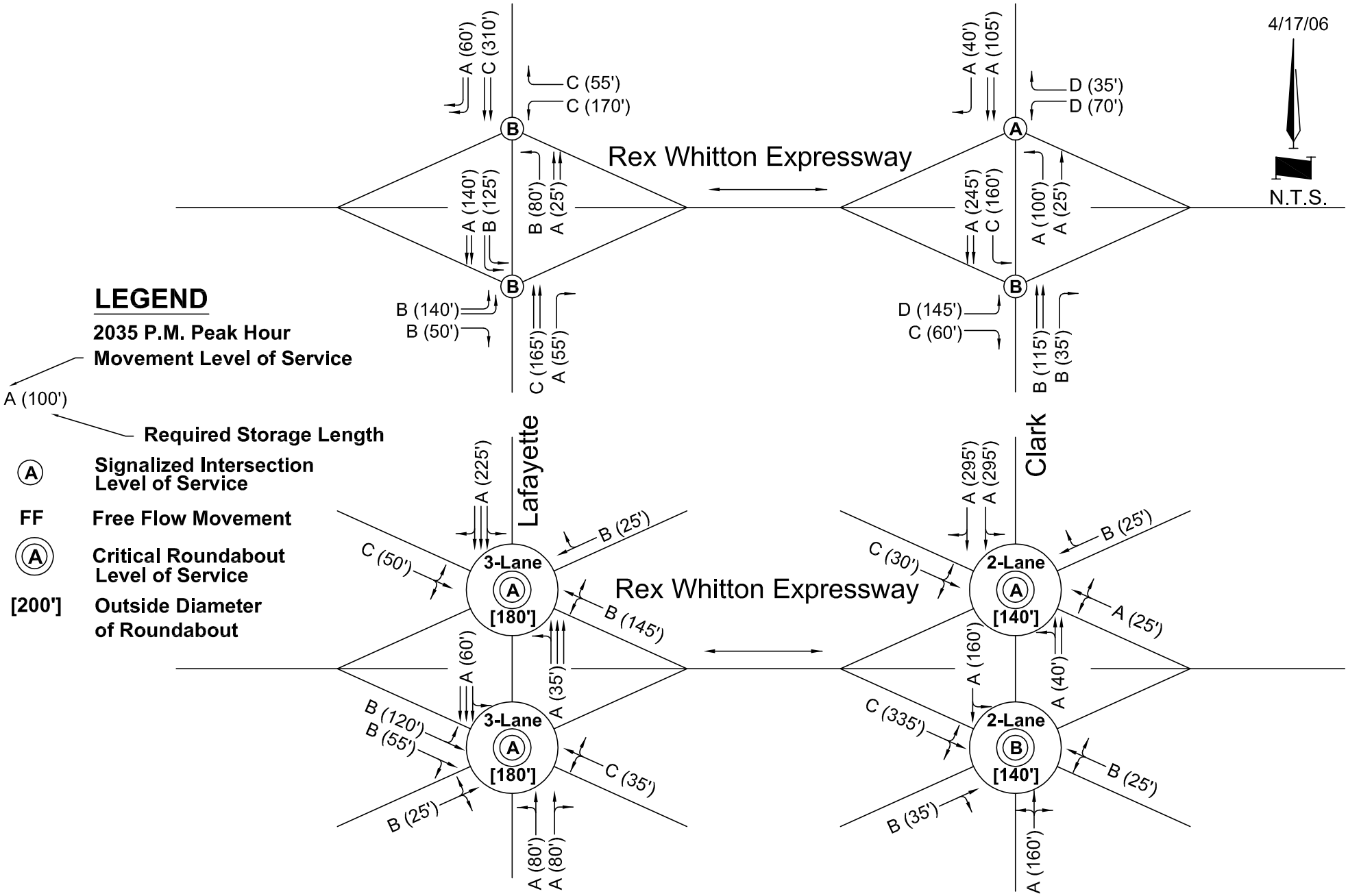


*FIGURE E15-2*
*Lafayette Street Interchange*
*2035 Volumes & Levels of Service*

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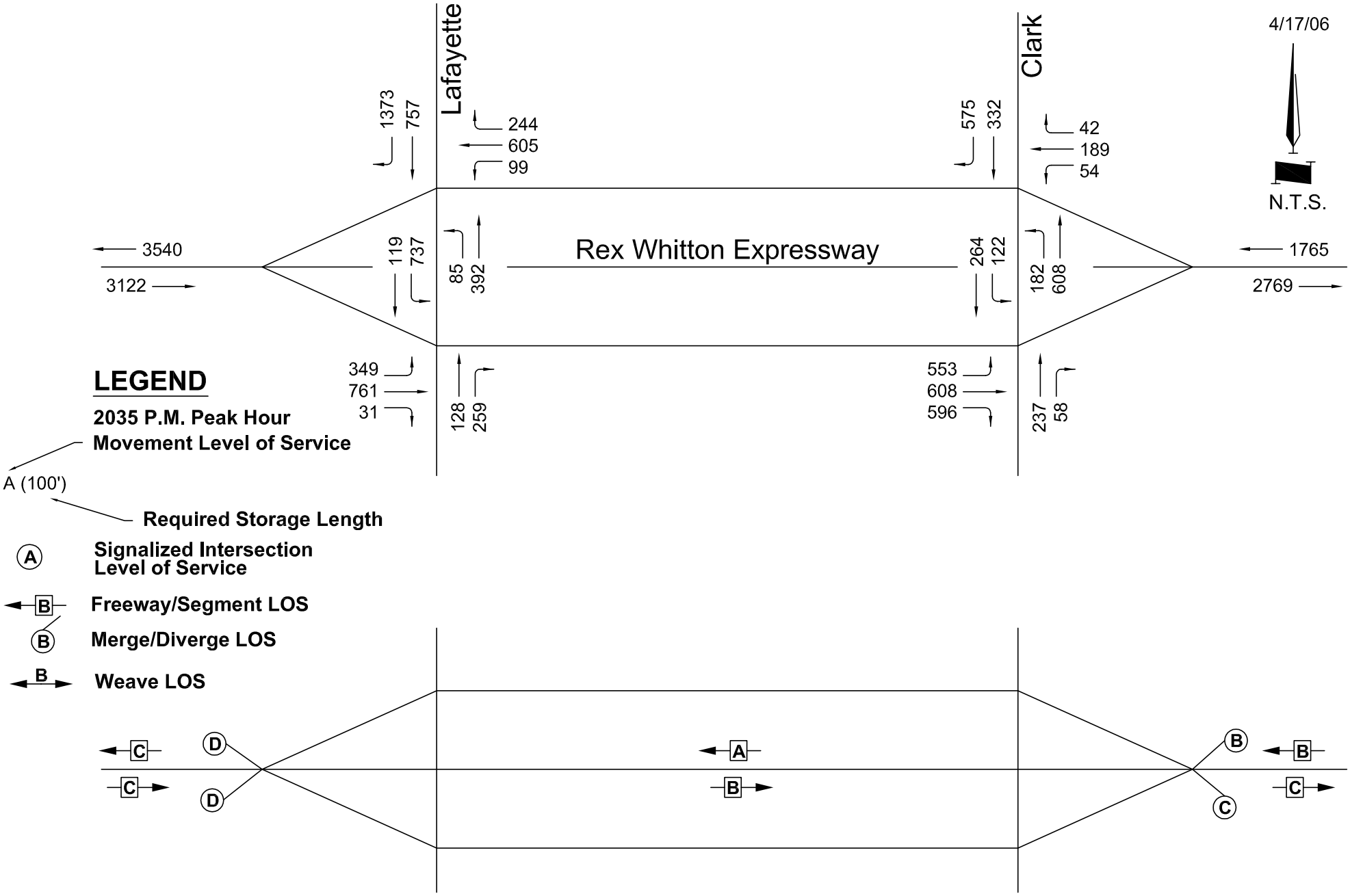


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*FIGURE E16-1*
*Combined CES Interchange*
*2035 Volumes & Levels of Service*

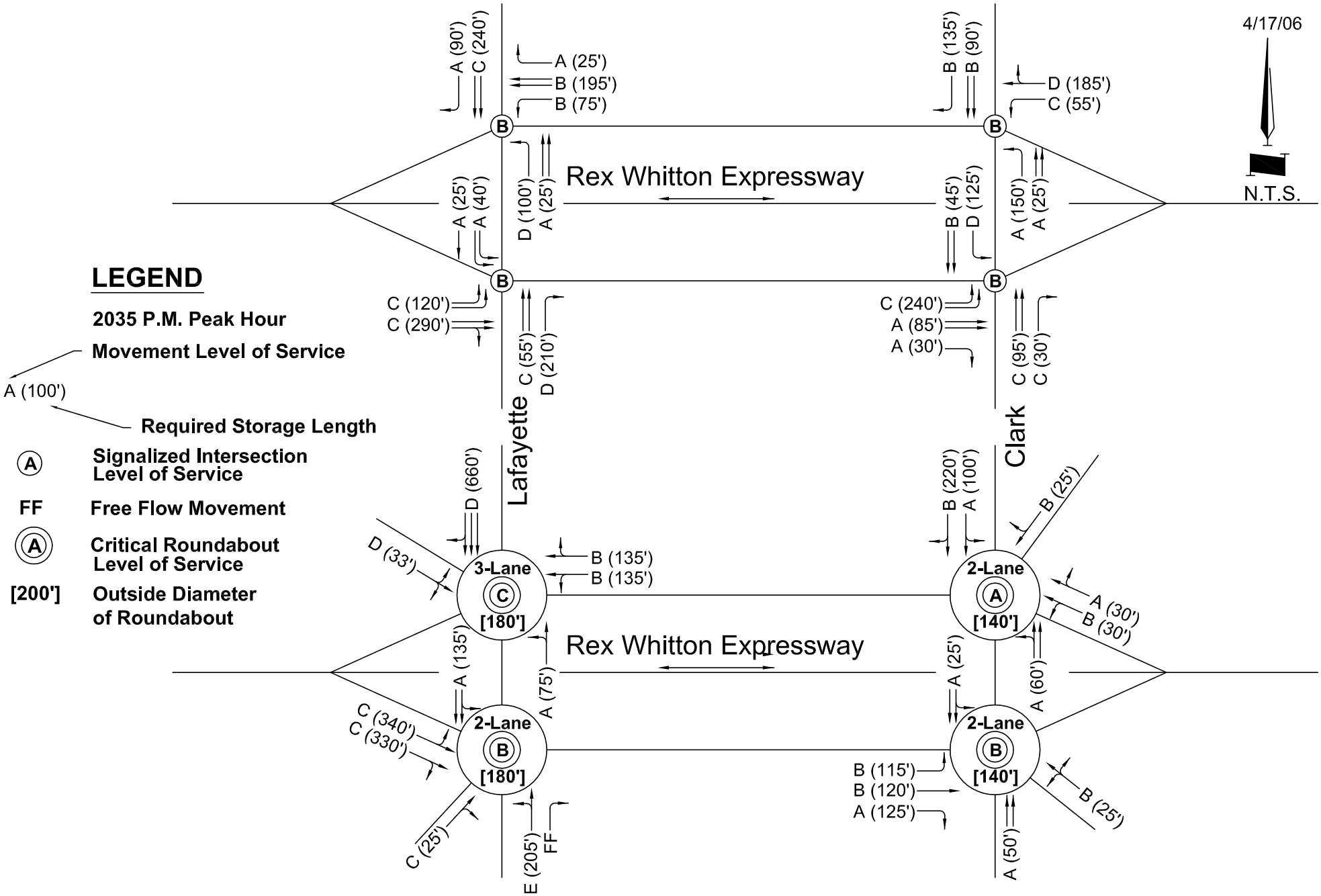


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*FIGURE E16-2*
*Combined CES Interchange*
*2035 Volumes & Levels of Service*