



POST,
BUCKLEY,
SCHUH &
JERNIGAN, INC.

ENGINEERING
PLANNING
ARCHITECTURE

February 6, 1992

Ms. Cindy Harkins-Jarvis
Florida Dept. of Transportation, District Seven
4950 W. Kennedy Blvd., Suite 409
Tampa, Florida 33609

Re: Northwest Hillsborough Expressway
WPI No.'s: 7153107, 3105, 3106, 3107, 3108, 3109, 3110

Dear Ms. Harkins-Jarvis,

Enclosed, please find the work that was completed for the Air Quality Screening Test for the above mentioned project. The results show that this project does pass the Screening Test therefore no further analysis, or a report will be required.

If you have any questions or comments, please advise.

Sincerely,

POST, BUCKLEY, SCHUH & JERNIGAN, INC.

A handwritten signature in cursive script that reads 'Rosemary E. Woods'.

Rosemary E. Woods
Environmental Engineer

REW/las

Enclosures

77-142.14



POST, BUCKLEY, SCHUH & JERNIGAN, INC.

COMP. BY: REW

CHK. BY: _____

DATE: 2/5/92

SHEET NO. 1

JOB NO.: _____

SUBJECT: NW Hillsborough Expressway
Air Quality Screening Test

Intersection	Year	Condition	Volume	Speed	Critical Distance	Closest Receptor
Hillsborough Ave.	1995	BUILD	7200	30	90'	>90'
	2010	BUILD	9180	25	75'	>75'
	1995	NOBUILD	7020	35	74'	>74'
	2010	NOBUILD	8950	30	60'	>60'
Southern Toll Plaza	1995	BUILD	4470	42	20'	>20'
	2010	BUILD	6300	42	24'	>24'
North Mainline Toll Booth	1995	BUILD	756	55	<10'	>10'
	2010	BUILD	2325	52	<10'	>10'

AIR DATA

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT 7 PD & E
TRAFFIC DATA FOR AIR STUDY SCREENING TEST

DATE: 2/4/92

State Project Number(s): 10000-1531

Work Project Number(s): 7113669

Federal Aid Number(s): M-4047(40)

Project Description: Northwest Hillsborough Expressway

MOST CONGESTED INTERSECTION*: Hillsborough Avenue

	<u>"Build"</u>	<u>"No Build"</u>
Opening Year (Date)	<u>1995</u>	<u>1995</u>
Total PHV of the Most Congested Leg ¹	<u>7200</u>	<u>7020</u>
Average Link Speed for above Leg	<u>30</u>	<u>35</u>
=====		
Design Year (Date)	<u>2010</u>	<u>2010</u>
Total PHV of the Most Congested Leg ¹	<u>9180</u>	<u>8950</u>
Average Link Speed for above Leg	<u>25</u>	<u>30</u>

* Intersection with the Highest Total Volume and Lowest Departure Speeds (Could be two different intersections based on "Build" vrs. "No-Build" alternatives)

¹ Use attached diagram to indicate volumes and speeds.

AIR DATA

FLORIDA DEPARTMENT OF TRANSPORTATION
 DISTRICT 7 PD & E
TRAFFIC DATA FOR AIR STUDY SCREENING TEST

DATE: 2/4/92

State Project Number(s): 10000 -1531

Work Project Number(s): 711 3669

Federal Aid Number(s): M-404-7(40)

Project Description: Northwest Hillsborough Expressway

MOST CONGESTED INTERSECTION*: North Mainline toll booth

	<u>"Build"</u>	<u>"No Build"</u>
Opening Year (Date)	<u>1995</u>	<u>N/A</u>
Total PHV of the Most Congested Leg ¹	<u>756</u> All vehicles stop	<u>N/A</u>
Average Link Speed for above Leg	<u>but speed away from booth = 55</u>	<u>N/A</u>

=====

Design Year (Date)	<u>2010</u>	<u>N/A</u>
Total PHV of the Most Congested Leg ¹	<u>2325</u>	<u>N/A</u>
Average Link Speed for above Leg	<u>speed away from booth = 52</u>	<u>N/A</u>

* Intersection with the Highest Total Volume and Lowest Departure Speeds (Could be two different intersections based on "Build" vrs. "No-Build" alternatives)

¹ Use attached diagram to indicate volumes and speeds.

AIR DATA

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT 7 PD & E
TRAFFIC DATA FOR AIR STUDY SCREENING TEST

DATE: 2/4/92

State Project Number(s): 10000 - 1531

Work Project Number(s): 7113669

Federal Aid Number(s): M-4047(40)

Project Description: Northwest Hillsborough Expressway

MOST CONGESTED INTERSECTION*: Southern toll plaza

	<u>"Build"</u>	<u>"No Build"</u>
Opening Year (Date)	<u>1995</u>	<u>N/A</u>
Total PHV of the Most Congested Leg ¹	<u>4470</u>	<u>N/A</u>
Average Link Speed for above Leg	<u>50 arriving / 42 departing</u>	<u>N/A</u>

=====

Design Year (Date)	<u>2010</u>	<u>N/A</u>
Total PHV of the Most Congested Leg ¹	<u>6300</u>	<u>N/A</u>
Average Link Speed for above Leg	<u>50 arriving / 42 departing</u>	<u>N/A</u>

* Intersection with the Highest Total Volume and Lowest Departure Speeds (Could be two different intersections based on "Build" vrs. "No-Build" alternatives)

¹ Use attached diagram to indicate volumes and speeds.

N.W. Hillsborough Expy. / Hillsborough Avenue

F.D.O.T Screening Test: Urban Areas

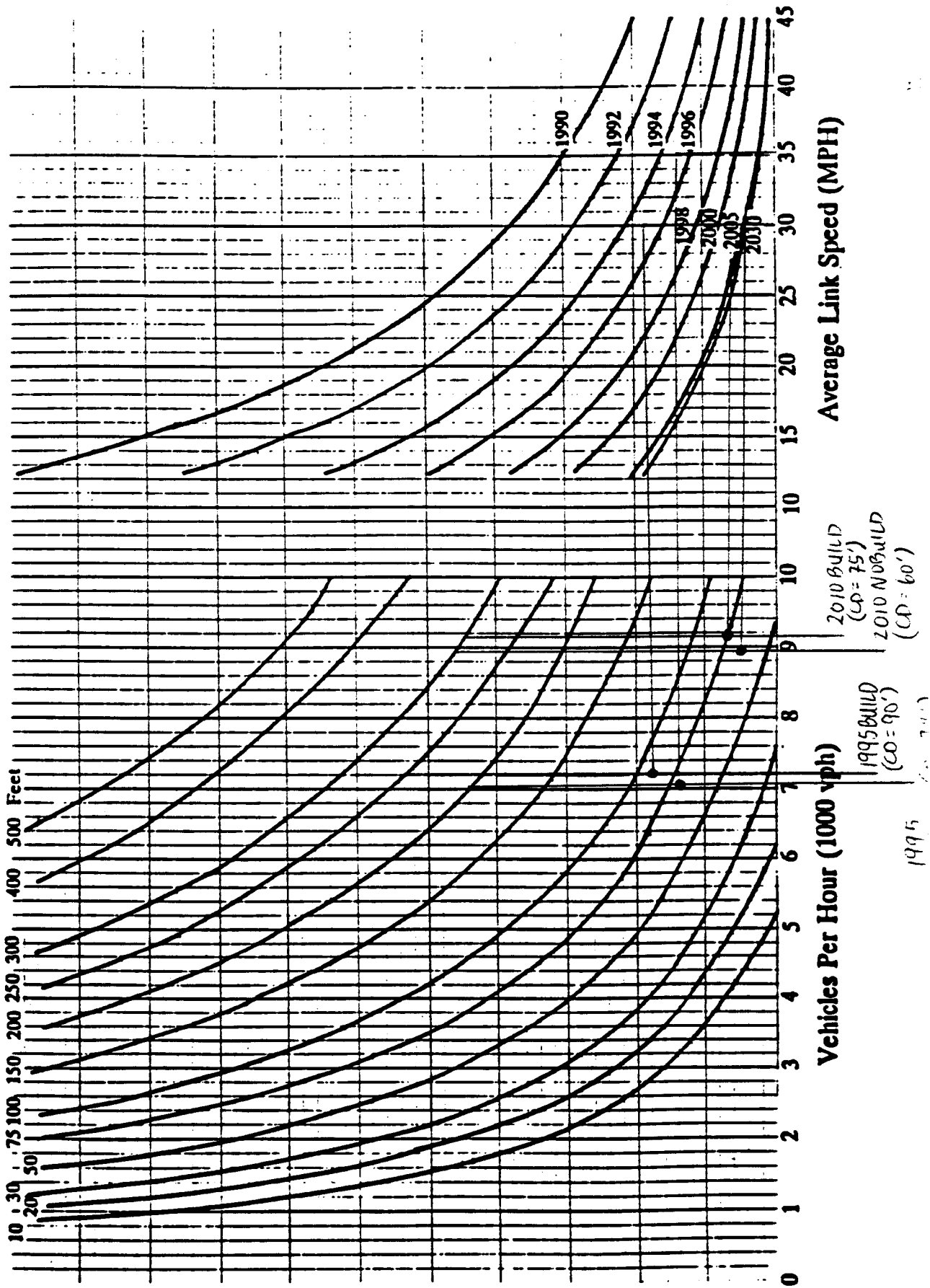


FIGURE 16.2a Carbon Monoxide Screening Test for Urban Areas

N.W. Hillsborough Expwy./Southern Toll Plaza

F.D.O.T Screening Test: Urban Areas

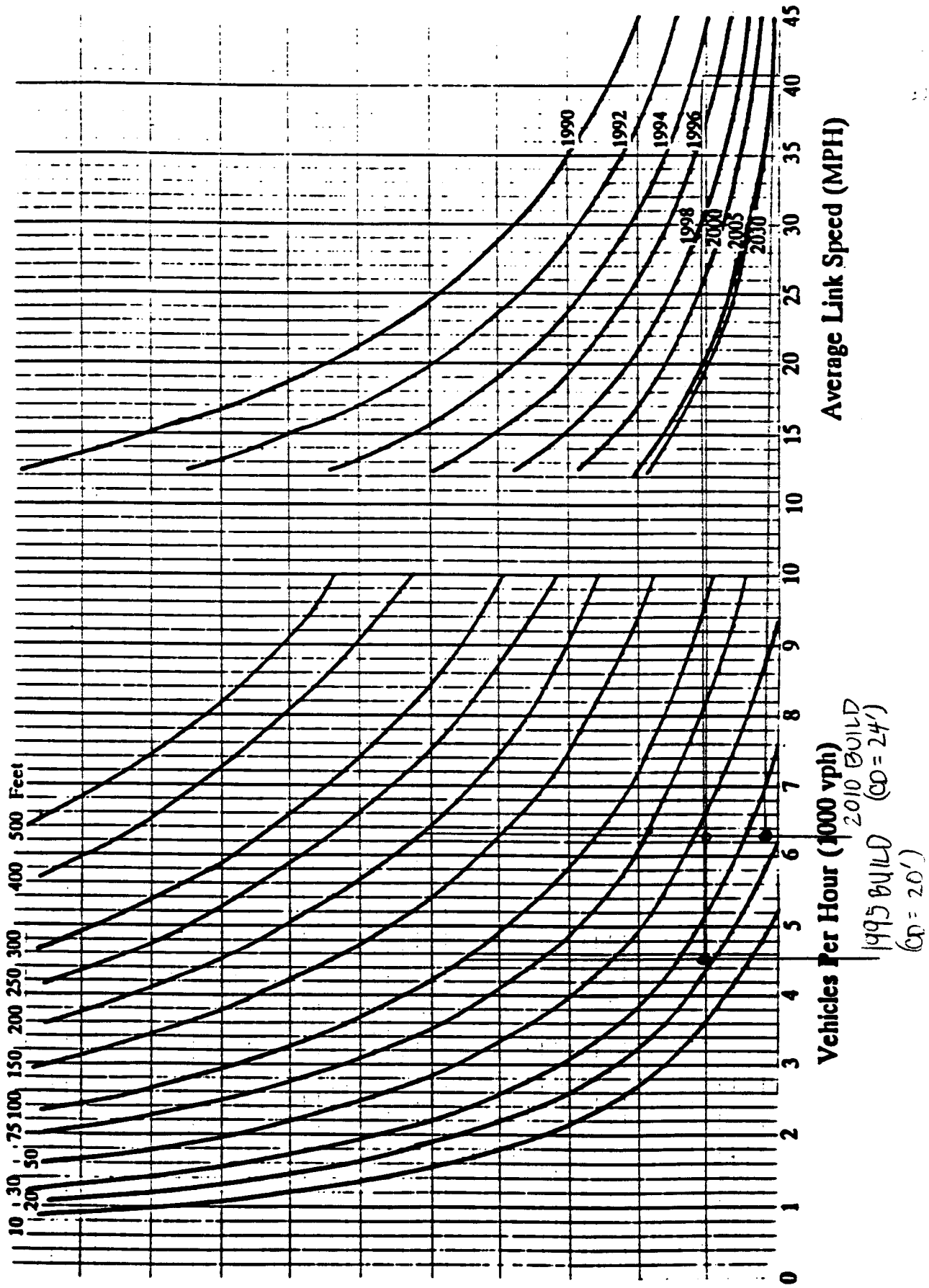


FIGURE 16.2a Carbon Monoxide Screening Test for Urban Areas

N.W. Hillsborough Expy. / N. Mainline Tollbooth

F.D.O.T Screening Test: Rural Areas

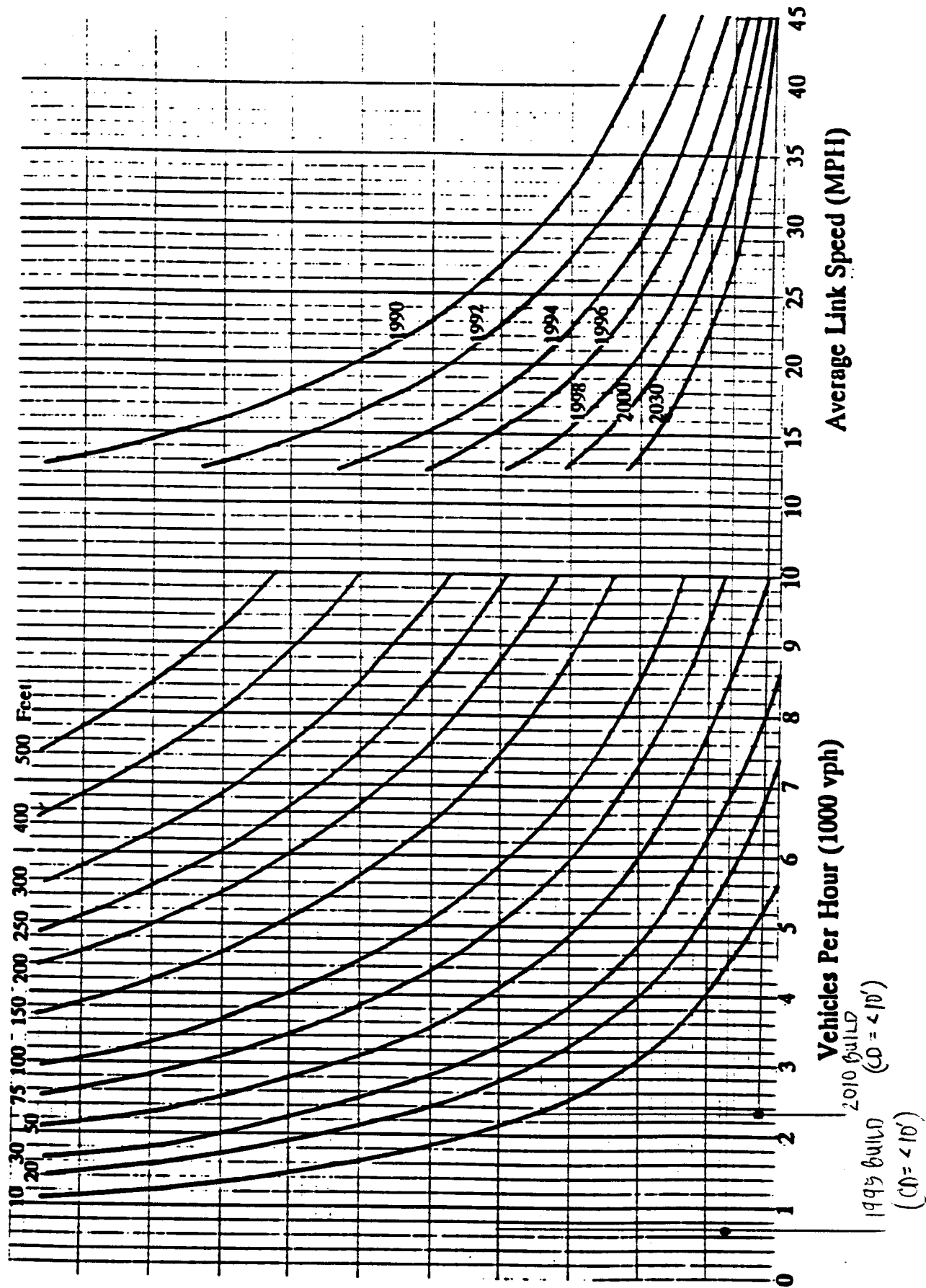


FIGURE 16.2b Carbon Monoxide Screening Test for Rural Areas