

Midway Rd  
Signal Retiming  
(Approved)

MONEY COMES 2005  
(PROGRAM YEAR)  
\$196,000<sup>00</sup>  
TOTAL FROM COUNTY

**2000 Dallas County Call For Projects**

**APPLICATION INFORMATION**

Submitting Agency: Town of Addison  
Contact Person: Jim Pierce, P.E., Assistant City Engineer  
Address: P.O. Box 9010 Addison TX 75001-9010  
Telephone: 972/450-2879 Facsimile: 972/450-2834  
e-mail address: [jpierce@ci.addison.tx.us](mailto:jpierce@ci.addison.tx.us)

**PROJECT INFORMATION**

Location: Midway Road MAPSCO: 14K, F & B; 4X  
Beginning: Spring Valley Road Project Length: 1.75 miles  
Ending: Dooley Road Avg. Posted Speed: 40 mph  
Avg. Operating Speed: 16.8 mph  
Functional Classification: R Traffic Volume: 51,074  
# of Correctable Accidents: 21 Traffic Volume Source: Count 8/99  
(over past 3 years)

	<u>Existing</u>	<u>Proposed</u>
Through lanes	3	3
Left turn lanes	1	1
Right turn lanes	1	1
Sidewalks	0	0
Bicycle lanes	0	0

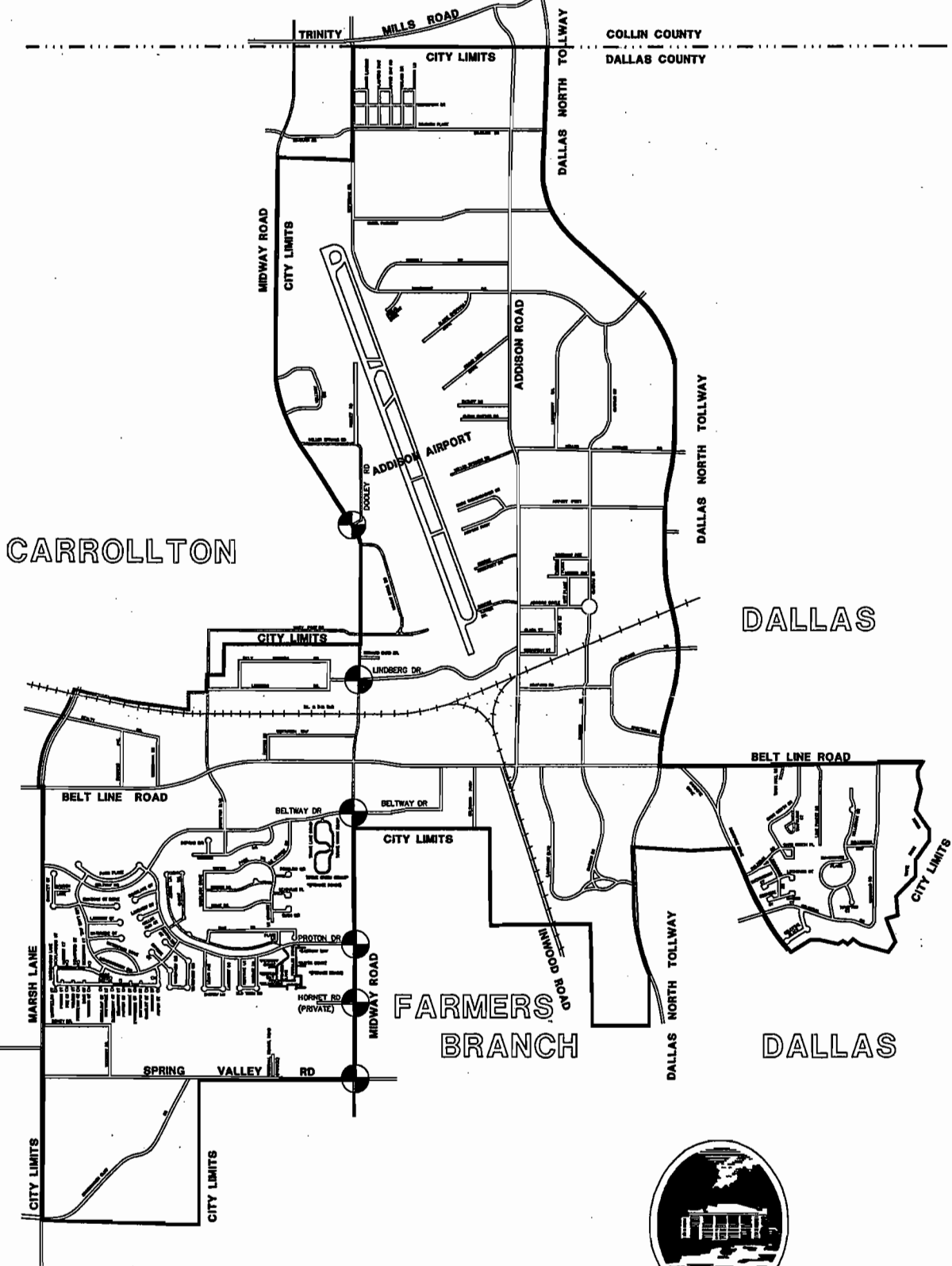
**Description of Proposed Improvement(s):**

This project provides for retiming the existing 14 year old coordinated signal system along Midway Road from Spring Valley Road to Dooley Road (see attached plan). Timing plans for the AM, PM, Off-Peak, and Friday PM Peak periods will be prepared for each intersection. The signal hardware at each intersection will be upgraded to include video detection, TS-2 cabinets, and TS-2 controllers. Additional phone drops will also be installed to provide a communications link to the traffic service center. Existing hardwire interconnect cables will be used to maintain communication between the signal controllers. Associated work will include installation of new conduit and wiring at each intersection. The existing power source for each location will be used. For this section of road, we have had a total of 141 accidents in the last 3 years. We believe retiming will improve traffic flow, and we estimate accidents will be reduced by 15%. This is our number 5 priority project for this program.

**PROJECT COST INFORMATION**

Total Project Cost: \$392,000  
Right-of-way Cost: \$ 0  
Engineering/Design Cost: \$ 52,000  
Utility Cost: \$ 0  
Construction Cost: \$340,000  
  
Local Cost Contribution: \$  
in percent of total cost 50 %

# DALLAS



CARROLLTON

DALLAS

FARMERS  
BRANCH

DALLAS

### LEGEND

-  SIGNAL TIMING AND HARDWARE UPGRADE LOCATION



## TOWN OF ADDISON

### MIDWAY ROAD SIGNAL TIMING AND HARDWARE UPGRADE

## 2000 Dallas County Call For Projects

### *APPLICATION INFORMATION*

**Submitting Agency:** Town of Addison  
**Contact Person:** Jim Pierce, P.E., Assistant City Engineer  
**Address:** P.O. Box 9010 Addison TX 75001-9010  
**Telephone:** 972/450-2879 **Facsimile:** 972/450-2834  
**e-mail address:** [jpierce@ci.addison.tx.us](mailto:jpierce@ci.addison.tx.us)

### *PROJECT INFORMATION*

**Location:** Belt Line Road **MAPSCO:** 13 D, 14 A, B, C  
**Beginning:** Marsh Ln. **Project Length:** 1.7 miles  
**Ending:** Quorum Dr. **Avg. Posted Speed:** 40 mph  
**Avg. Operating Speed:** 12 mph  
**Functional Classification:** R **Traffic Volume:** 59,380  
**# of Correctable Accidents:** 64 **Traffic Volume Source:** Count 8/99  
**(over past 3 years)**

	<u>Existing</u>	<u>Proposed</u>
Through lanes	3	3
Left turn lanes	1	1
Right turn lanes	1	1
Sidewalks	Y	Y
Bicycle lanes	0	0

#### **Description of Proposed Improvement(s):**

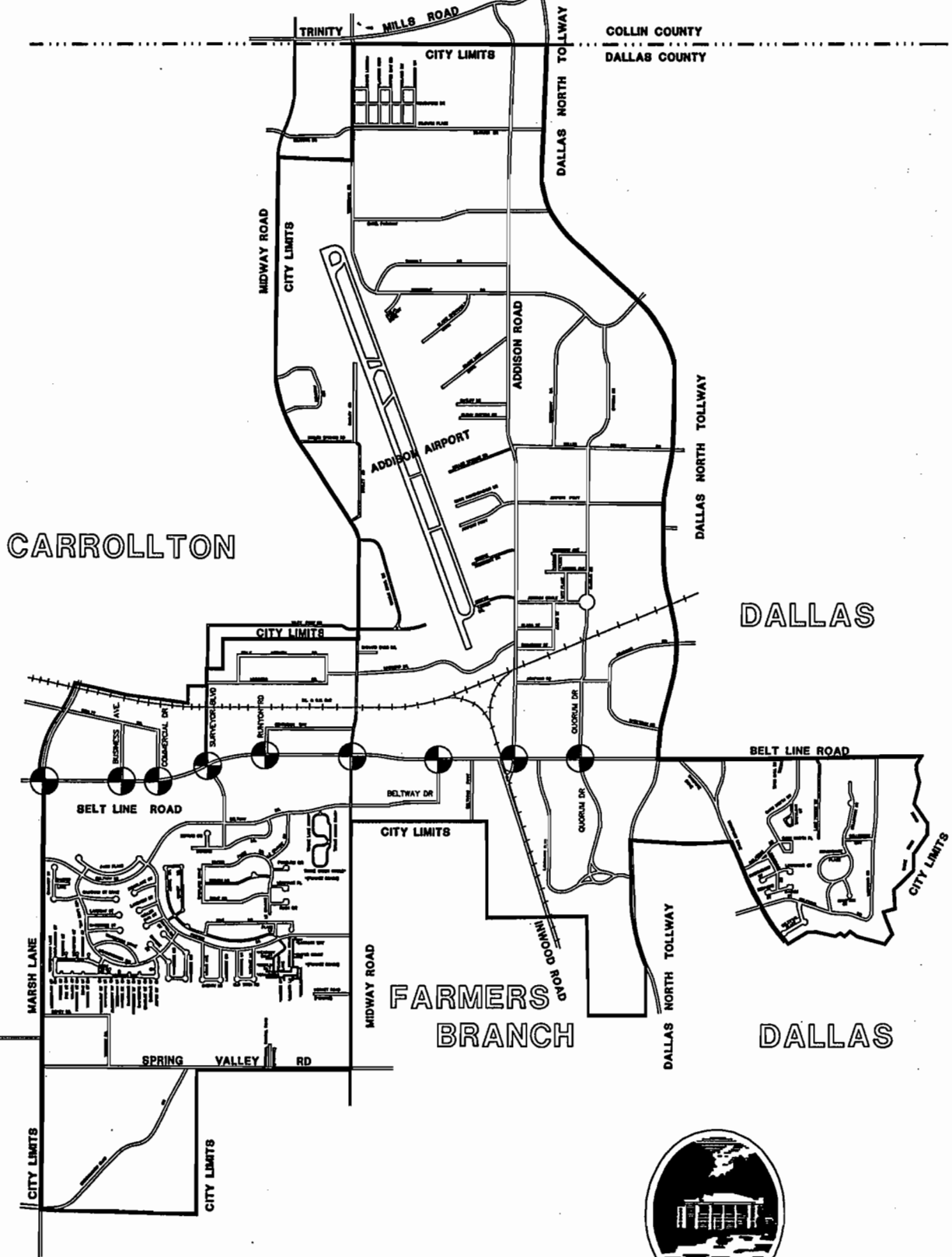
This project provides for retiming the existing 17 year old coordinated signal system along Belt Line Road from Marsh Lane to Quorum Drive (see attached plan). Timing plans for the AM, PM, Off-Peak, and Friday PM Peak periods will be prepared for teach intersection. The signal hardware at each intersection will be upgraded to include video detection, TS-2 cabinets, and TS-2 controllers. Additional phone drops will also be installed to provide a communications link to the traffic service center. Existing hardwire interconnect cables will be used to maintain communication between the signal controllers. Associated work will include installation of new conduit and wiring at each intersection. The existing power source for each location will be used. For this section of road, we have had a total of 429 accidents in the last 3 years. We believe retiming will improve traffic flow, and we estimate accidents will be reduced by 15%. This is our number 4 priority project for this program.

### *PROJECT COST INFORMATION*

**Total Project Cost:** \$700,000  
**Right-of-way Cost:** \$ 0  
**Engineering/Design Cost:** \$ 90,000  
**Utility Cost:** \$ 0  
**Construction Cost:** \$610,000

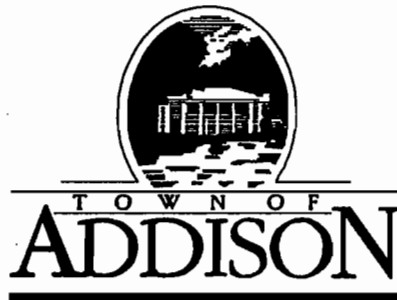
**Local Cost Contribution:** \$  
in percent of total cost 50 %

# DALLAS



## LEGEND

-  SIGNAL TIMING AND HARDWARE UPGRADE LOCATION



**BELT LINE ROAD SIGNAL TIMING AND HARDWARE UPGRADE**

*Arapaho  
Phase III  
(approved)*

**2000 Dallas County Call For Projects**

**APPLICATION INFORMATION**

Submitting Agency: Town of Addison  
 Contact Person: Jim Pierce, P.E., Assistant City Engineer  
 Address: P.O. Box 9010 Addison TX 75001-9010  
 Telephone: 972/450-2879 Facsimile: 972/450-2834  
 e-mail address: [jpierce@ci.addison.tx.us](mailto:jpierce@ci.addison.tx.us)

**PROJECT INFORMATION**

Location: Arapaho Rd. MAPSCO: 14 A, B, C  
 Beginning: Addison Rd. Project Length: 1.02  
 Ending: Surveyor Blvd. Avg. Posted Speed: 40 mph  
 Avg. Operating Speed: N/A  
 Functional Classification: R Traffic Volume: N/A  
 # of Correctable Accidents: 64 (on Belt Line Rd.) Traffic Volume Source: N/A  
 (over past 3 years)

	<u>Existing</u>	<u>Proposed</u>
Through lanes	0	4
Left turn lanes	0	1
Right turn lanes	0	0
Sidewalks	0	0
Bicycle lanes	0	0

**Description of Proposed Improvement(s):**

This is Phase III of a three phase project. Phase I was realignment and improvement of Arapaho Road from Dallas Parkway to Addison Road. Phase II will be construction of Arapaho Road from Marsh Lane to Surveyor Blvd., which will take place prior to 2004. This project (Phase III) will construct a new section of Arapaho Road from Surveyor Blvd. to Addison Road (see attached plan). The roadway will be 2 lanes in each direction, undivided, except at the intersections with Addison Road and Surveyor Blvd., which will have left turn lanes. The intersection with Midway Road will consist of an overpass with no entrance or exit ramps. The purpose of this project is to reduce traffic congestion on Belt line Road (reliever road or Belt Line by-pass). This project will benefit the bus routes on Belt Line Road by reducing congestion. This is our number 3 priority project for this program. While we would like a 10% match from Dallas County, we realize this would put pressure on available funds. If it would help secure funding, the Town would be willing to contribute 95% to the project. We believe this project will reduce traffic on Belt Line Road and will therefore reduce accidents on Belt Line Road by 15%.

**PROJECT COST INFORMATION**

Total Project Cost: \$14,328,120  
 Right-of-way Cost: \$ 3,180,000  
 Engineering/Design Cost: \$ 1,230,000  
 Utility Cost: \$ 289,200  
 Construction Cost: \$ 9,628,920

Local Cost Contribution: \$  
 in percent of total cost 90 %

**2000 Dallas County Call For Projects**

**APPLICATION INFORMATION**

Submitting Agency: Town of Addison  
Contact Person: Jim Pierce, P.E., Assistant City Engineer  
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Telephone: 972/450-2879 Facsimile: 972/450-2834  
e-mail address: [jpierce@ci.addison.tx.us](mailto:jpierce@ci.addison.tx.us)

**PROJECT INFORMATION**

Location: Arapaho Rd. MAPSCO: 14 A, B, C  
Beginning: Addison Rd. Project Length: 1.02  
Ending: Surveyor Blvd. Avg. Posted Speed: 40 mph  
Avg. Operating Speed: N/A  
Functional Classification: R Traffic Volume: N/A  
# of Correctable Accidents: 64 (on Belt Line Rd.) Traffic Volume Source: N/A  
(over past 3 years)

	<u>Existing</u>	<u>Proposed</u>
Through lanes	0	4
Left turn lanes	0	1
Right turn lanes	0	0
Sidewalks	0	0
Bicycle lanes	0	0

**Description of Proposed Improvement(s):**

This is Phase III of a three phase project. Phase I was realignment and improvement of Arapaho Road from Dallas Parkway to Addison Road. Phase II will be construction of Arapaho Road from Marsh Lane to Surveyor Blvd., which will take place prior to 2004. This project (Phase III) will construct a new section of Arapaho Road from Surveyor Blvd. to Addison Road (see attached plan). The roadway will be 2 lanes in each direction, undivided, except at the intersections with Addison Road and Surveyor Blvd., which will have left turn lanes. The intersection with Midway Road will consist of an overpass with no entrance or exit ramps. The purpose of this project is to reduce traffic congestion on Belt line Road (reliever road or Belt Line by-pass). This project will benefit the bus routes on Belt Line Road by reducing congestion. This is our number 3 priority project for this program. While we would like a 10% match from Dallas County, we realize this would put pressure on available funds. If it would help secure funding, the Town would be willing to contribute 95% to the project. We believe this project will reduce traffic on Belt Line Road and will therefore reduce accidents on Belt Line Road by 15%.

**PROJECT COST INFORMATION**

Total Project Cost: \$14,328,120  
Right-of-way Cost: \$ 3,180,000  
Engineering/Design Cost: \$ 1,230,000  
Utility Cost: \$ 289,200  
Construction Cost: \$ 9,628,920

Local Cost Contribution: \$  
in percent of total cost 90 %

## Jim Pierce

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**From:** Jim Pierce  
**Sent:** Monday, July 10, 2000 10:18 AM  
**To:** Ron Whitehead  
**Cc:** Chris Terry; Michael Murphy  
**Subject:** RE: Dallas County Call For Projects

Our scores are:

Arapaho Phase III	116
Belt Line/Toll Rd SPUI	91
Belt Line Signal Timing	81
Midway Signal Timing	66
Arapaho/Toll Rd U-turn	23

Most projects from other cities scored in the 50 to 80 range. Most cities have one project in the 100 point range. Dallas Co. staff is moving away from comparing scores between cities. The commissioners will make the final decision on what projects make the cut in their district. Nothing prevents them from selecting a low scoring project for funding. I get the sense from the county staff that the project selection is "political" as much as anything else. The staff rankings will be presented to the Count tomorrow. The commissioners will make the final selections in September. Jim.

-----Original Message-----

**From:** Ron Whitehead  
**Sent:** Sunday, July 09, 2000 11:52 PM  
**To:** Jim Pierce  
**Subject:** RE: Dallas County Call For Projects

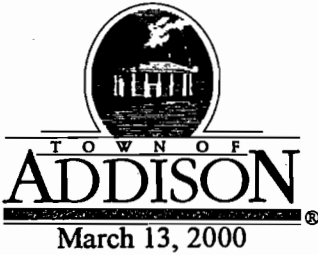
So what were our technical scores and how did we fare in comparison tpo other projects? Ron

-----Original Message-----

**From:** Jim Pierce  
**Sent:** Wednesday, June 07, 2000 2:17 PM  
**To:** Ron Whitehead  
**Cc:** Chris Terry; Michael Murphy  
**Subject:** Dallas County Call For Projects

I have just received our "technical" scores for the projects we submitted to Dallas County. I made a trip to the County Offices and met with the project manager to go over the scores. There may be some revisions. Overall, the scores were pretty good. However, in a conversation with Don Cranford, Assistant Director, Transportation Division, he made it clear that the technical scores are only a part of the decision making process. The rest of the process is subjective and is up to our District Commissioner. Therefore, I would suggest that we contact Jim Jackson and try to convince him about how great our projects are and how needed they are. I have attached my memo to council to refresh your memory about this. << File: 2000CallMemo to Chris.DOC >>

Jim Pierce, P.E.  
Assistant City Engineer  
PO Box 9010  
Addison, TX 75001-9010  
972-450-2879



**PUBLIC WORKS DEPARTMENT**

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

Mr. Donald L Holzwarth, P.E.  
Dallas County Director of Public Works  
411 Elm Street, 4<sup>th</sup> Floor  
Dallas, TX 75202

Re: Call For Projects for Program Year 2004

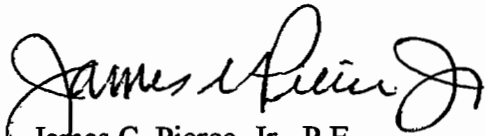
Dear Mr. Holzwarth:

We have just received the number of accidents for our SB to NB U-turn on Dallas Parkway at Arapaho Road project from the City of Dallas. The total number of accidents over the last three years at this intersection was 13. We estimate this project would correct 15% of those accidents, so that the number correctable would be 2.

Please add this data to our application information for our "Southbound to Northbound U-turn on Dallas Parkway at Arapaho Road", copy attached. If you have any questions, please contact me at 972-450-2879.

Very truly yours,

Town of Addison



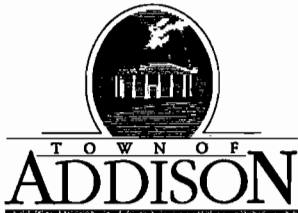
James C. Pierce, Jr., P.E.  
Assistant City Engineer

cc: Chris Terry, Assistant City Manager  
Michael E. Murphy, P.E., Acting Director of Public Works

Enclosure







**PUBLIC WORKS DEPARTMENT**

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

March 10, 2000

Mr. Donald L Holzwarth, P.E.  
Dallas County Director of Public Works  
411 Elm Street, 4<sup>th</sup> Floor  
Dallas, TX 75202

Re: Call For Projects for Program Year 2004

Dear Mr. Holzwarth:

The Town of Addison is pleased to submit the following Application Information for five projects, in response to your Call For Projects for Program Year 2004:

Belt Line Road/Dallas Parkway Single Point Urban Interchange

Southbound to Northbound U-turn on Dallas Parkway at Arapaho Road

Arapaho Road, Phase III, Surveyor Boulevard to Addison Road

Signals Upgrade and Re-timing, Belt Line Rd. from Quorum Dr. to Marsh Lane

Signals Upgrade and Re-timing, Midway Rd. from Spring Valley to Dooley Rd

A copy of a resolution by the City Council authorizing the applications is also included.

The number of correctable accidents for our SB to NB U-turn on Dallas Parkway at Arapaho Road project has not been tallied due to an error by the City of Dallas responding to our Open Records Request. Dallas is correcting the error and the data will be sent forward as soon as it is received.

We appreciate the opportunity to submit these applications. If you have any questions, please contact Jim Pierce, P.E., Assistant City Engineer at 972-450-2879.

Very truly yours,

Michael E. Murphy, P.E.  
Acting Director of Public Works

Cc: Chris Terry, Assistant City Manager  
Jim Pierce, P.E., Assistant City Engineer

Attachments

## 2000 Dallas County Call For Projects

### *APPLICATION INFORMATION*

Submitting Agency: Town of Addison  
Contact Person: Jim Pierce, P.E., Assistant City Engineer  
Address: P.O. Box 9010 Addison TX 75001-9010  
Telephone: 972/450-2879 Facsimile: 972/450-2834  
e-mail address: [jpierce@ci.addison.tx.us](mailto:jpierce@ci.addison.tx.us)

### *PROJECT INFORMATION*

Location: Belt Line Road MAPSCO: 14D  
Beginning: Dallas Parkway (Dallas North Tollway) Project Length: 0.00  
Ending: N/A (Intersection) Avg. Posted Speed: N/A  
Avg. Operating Speed: N/A  
Functional Classification: F Traffic Volume: 58,103 - Belt Line Rd.  
31,804 - Dallas Pkwy.  
Traffic Volume Source: Count 8/99  
# of Correctable Accidents: - 22  
(over past 3 years)

Existing

Through lanes - Belt Line - 3, Dallas Pkwy - 3  
Left turn lanes - Belt Line - 1, Dallas Pkwy - 1  
Right turn lanes - Belt Line - 1, Dallas Pkwy - 1  
Sidewalks - Belt Line - S, Dallas Pkwy - 0  
Bicycle lanes - Belt Line - 0, Dallas Pkwy - 0

Proposed

Belt Line - 3, Dallas Pkwy - 3  
Belt Line - 2, Dallas Pkwy - 2  
Belt Line - 1, Dallas Pkwy - 1  
Belt Line - Y, Dallas Pkwy - Y  
Belt Line - 0, Dallas Pkwy - 0

#### Description of Proposed Improvement(s):

The project will allow the simultaneous operation of left turn lanes for east/west traffic and for north/south traffic. Efficiency of the intersection will be improved by 15 to 20%. The project consists of the removal of existing pavement, medians and bridge parapet walls, installation of concrete drill shafts and cantilever bridge bents, reconstruction of existing retaining walls, construction of additional bridge deck and parapet walls, construction of right-turn lanes, construction of dual left-turn lanes and installation of new traffic signals. Traffic signals will be timed with other signals on Belt Line Road which are covered by another project. Associated work includes traffic control during construction, pavement markings and signing. Even though this project is located in the City of Dallas, Addison is willing to fund the project as it will improve traffic flow on Belt Line Road within the Town. It will also benefit the Dallas North Tollway by improving traffic flow on Dallas Parkway. DART busses will benefit from this project as well. This project is an example of regional cooperation where one Town is willing to fund a project of regional significance (see attached drawing). The two projects that were approved for funding under TEA-21, on Belt Line Road west of Dallas Parkway, underscore the need for this project. For this intersection, we have had 112 accidents over the past 3 years. We estimate with this project, accidents will be reduced by 20%. This is our number 1 priority project for this program.

### *PROJECT COST INFORMATION*

Total Project Cost:	\$2,500,000
Right-of-way Cost:	\$ 170,000
Engineering/Design Cost:	\$ 240,000
Utility Cost:	\$ 30,000
Construction Cost:	\$2,060,000

Local Cost Contribution: \$  
in percent of total cost 75 %

**RESOLUTION NO. R00-014**

A RESOLUTION BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, AUTHORIZING THE CITY MANAGER TO SUBMIT APPLICATIONS FOR FIVE PUBLIC WORKS PROJECTS FOR FUNDING THROUGH THE DALLAS COUNTY MAJOR CAPITAL IMPROVEMENT THOROUGHFARE PROGRAM.

WHEREAS, Dallas County Public Works has solicited nominations from cities for projects to be funded through the Dallas County Major Capital Improvement Fund Thoroughfare Program; and

WHEREAS, Dallas County has created the Major Capital Improvement Fund, a "pay-as-you-go" funding mechanism for financing infrastructure improvements; and

WHEREAS, with this program, approximately \$15 million will be available in both FY 2004 and FY 2005, with \$20 million being available annually in FY 2006 and beyond; and

WHEREAS, the County is currently seeking nominations for projects to be funded for construction in FY 2004; and

WHEREAS, \$3.75 million will be available for funding in our District in FY 2004; and

WHEREAS, the Town intends to nominate the following five projects:

- Belt Line Road/Dallas Parkway Single Point Urban Interchange  
Town Share - \$1, 875,000 County Share - \$625,000
- Southbound to Northbound U-turn on Dallas Parkway at Arapaho Road  
Town Share - \$562,500 County Share - \$187,500
- Arapaho Road, Phase III, Surveyor Boulevard to Addison Road  
Town Share - \$12,895,300 County Share - \$1,432,800
- Signals Upgrade and Re-timing, Belt Line Rd. from Quorum Dr. to Marsh Lane  
Town Share - \$350,000 County Share - \$350,000
- Signals Upgrade and Re-timing, Midway Rd. from Spring Valley to Dooley Rd  
Town Share - \$196,000 County Share - \$196,000

now, therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON,  
TEXAS:

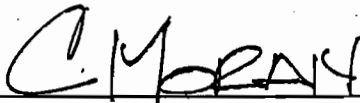
THAT, the City Council does hereby, authorize the City Manager to submit applications for five public works projects for funding through the Dallas County Major Capital Improvement Thoroughfare Program.

DULY PASSED BY THE CITY COUNCIL OF THE TOWN OF ADDISON,  
TEXAS, this the 22nd day of February, 2000.

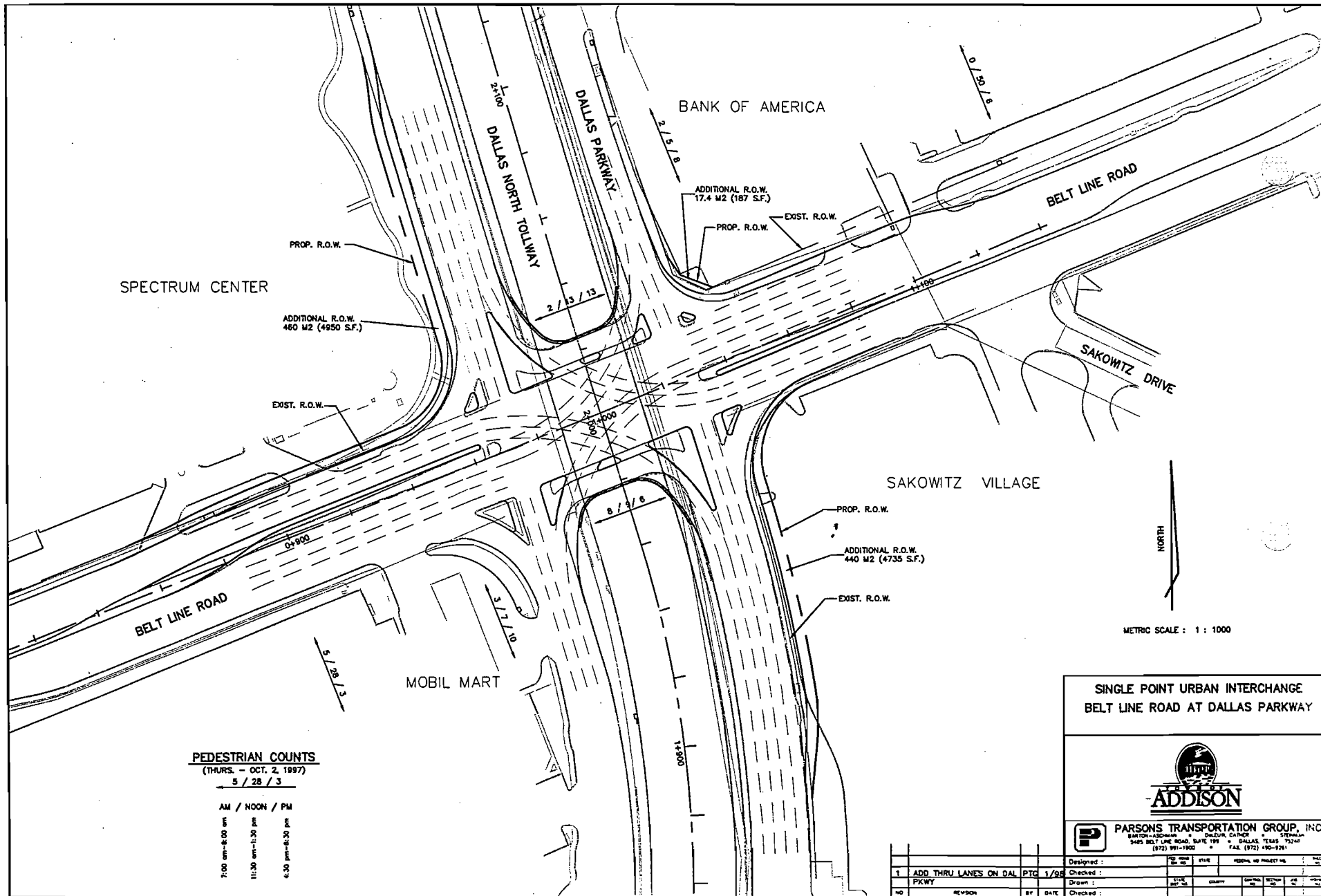


\_\_\_\_\_  
Mayor

ATTEST:



\_\_\_\_\_  
City Secretary



**PEDESTRIAN COUNTS**  
 (THURS. - OCT. 2, 1997)  
 5 / 28 / 3

	AM	NOON	PM
7:00 am-8:00 am	130	130	130
11:30 am-1:30 pm	130	130	130
4:30 pm-6:30 pm	130	130	130

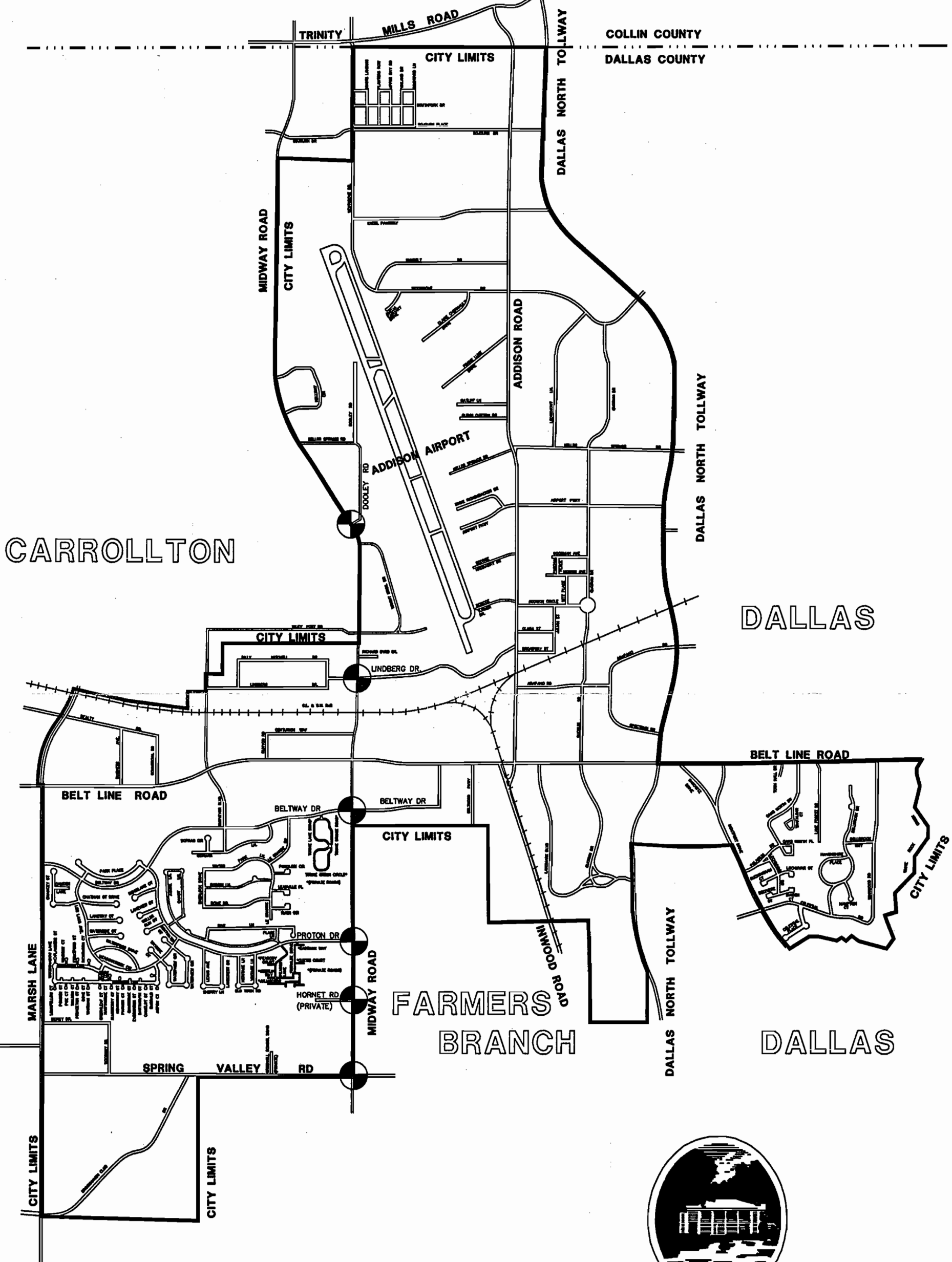
**SINGLE POINT URBAN INTERCHANGE**  
**BELT LINE ROAD AT DALLAS PARKWAY**



**PARSONS TRANSPORTATION GROUP, INC.**  
 3495 BELT LINE ROAD, SUITE 190 • DALLAS, TEXAS 75242  
 (972) 971-1800 • FAX (972) 970-8781

NO	REVISION	BY	DATE	Checked:	DATE	DATE	DATE	DATE
1	ADD THRU LANES ON DAL PKWY	PTC	1/98	Designed:		Checked:		
				Drawn:		Checked:		
				Checked:				

# DALLAS



## LEGEND

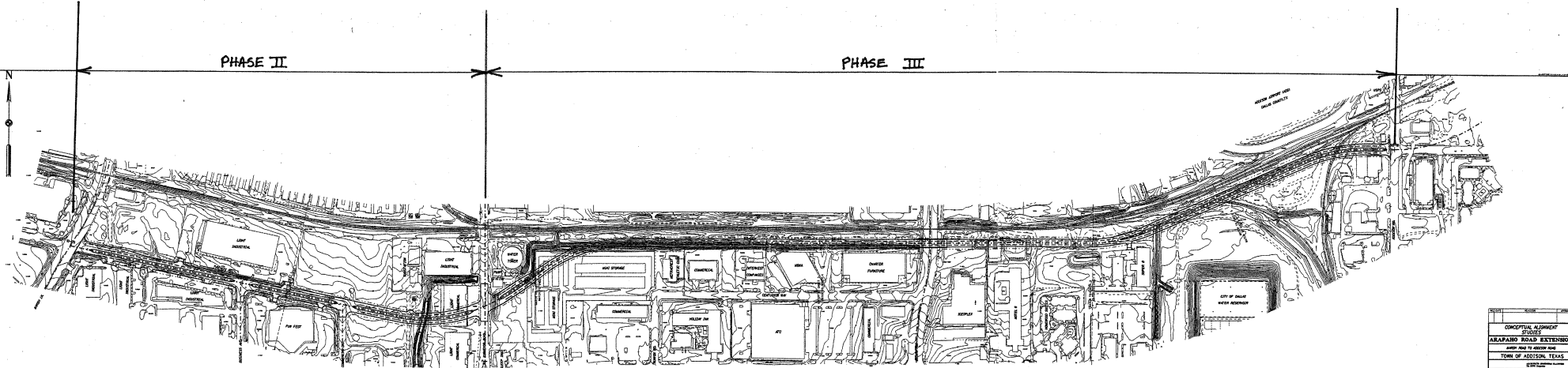
 SIGNAL TIMING AND  
HARDWARE UPGRADE LOCATION



# TOWN OF ADDISON

MIDWAY ROAD SIGNAL TIMING  
AND HARDWARE UPGRADE

ALTERNATE 5 OVERPASS WITHOUT RAMPS



DATE	SCALE	PROJECT
CONCEPTUAL ALIGNMENT STUDIES		
ARAPAHO ROAD EXTENSION		
ARAPAHO ROAD TO ADDISON ROAD		
TOWN OF ADDISON, TEXAS		
BY: [Signature]		
CHECKED BY: [Signature]		
DATE: [Date]		