



**RCA
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 20
AGENDA DATE: Thu 12/15/2005
PAGE: 1 of 1**

SUBJECT: Approve an ordinance amending Section 12-4-63 of the City Code to extend the existing school zone on Mesa Drive from 91 feet north of Austin Woods Drive to 250 feet south of Greenflint Lane.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of \$3,900 is available in the Fiscal Year 2005-2006 Approved Operating Budget of the Public Works Department.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

**REQUESTING Public Works
DEPARTMENT:**

**DIRECTOR'S
AUTHORIZATION: Sondra Creighton**

FOR MORE INFORMATION CONTACT: Samileh Mozafari, 974-7010; Henry Usher, 974-7038; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: N/A

PURCHASING: N/A

MBE / WBE: N/A

The Transportation Division of the Public Works Department has completed an investigation on Mesa Drive adjacent to Anderson High School. Traffic volumes, speeds and pedestrian volumes and patterns were evaluated in order to determine what, if any, modifications could be made to improve the safety of students attending Anderson High School. As a result of this investigation, the Transportation Division recommends extending the school zone on Mesa Drive.

Amendment to Code Section 12-4-63 (20 MPH School Zones):

Repeal the subsection that reads: Mesa Drive from 91 feet north of Austin Woods Drive to north curb of Greenflint Lane (Hill Elementary School and Anderson High School).

Add: Mesa Drive from 91 feet north of Austin Woods Drive to 250 feet south of Greenflint Lane (Hill Elementary School and Anderson High School).

ORDINANCE NO.

**AN ORDINANCE AMENDING SECTION 12-4-63 OF THE CITY CODE TO
EXTEND THE EXISTING SCHOOL ZONE ON MESA DRIVE.**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

PART 1. Section 12-4-63 (*20 Mile Per Hour School Zones*) of the City Code is amended
as follows:

Mesa Drive from 91 feet north of Austin Woods Drive to 250 feet south of [~~north-~~
~~urb-of~~] Greenflint Lane (Hill Elementary School and Anderson High School).

PART 2. The amendments made in this ordinance shall be incorporated in alphabetical
order and the existing subsections renumbered accordingly.

PART 3. This ordinance takes effect on _____, 2005.

PASSED AND APPROVED

_____, 2005 §
 §
 §

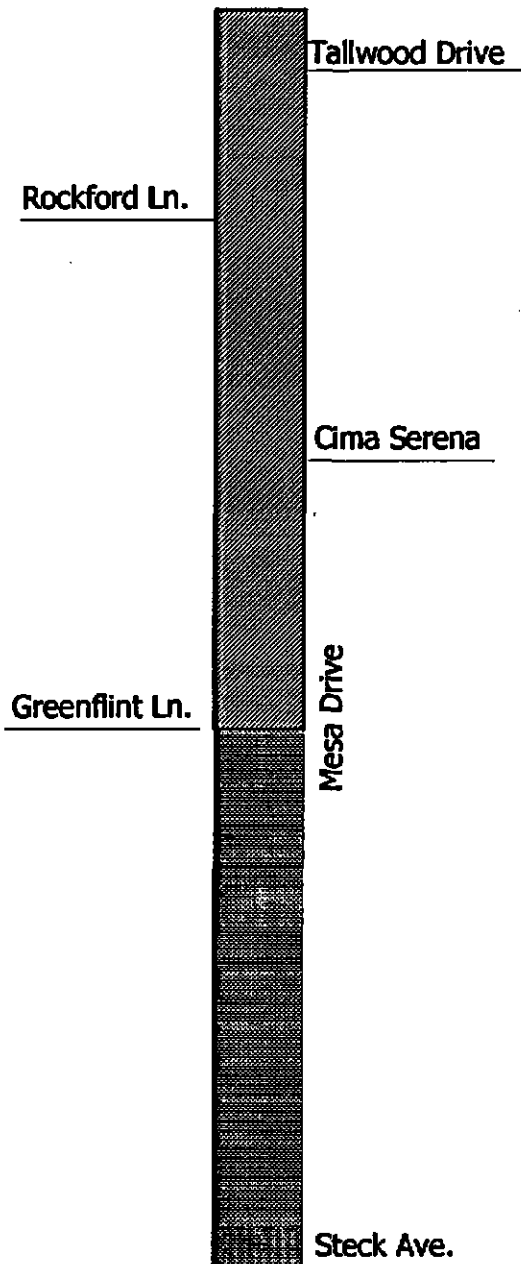
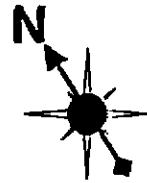
 Will Wynn
 Mayor

APPROVED: _____
 David Allan Smith
 City Attorney

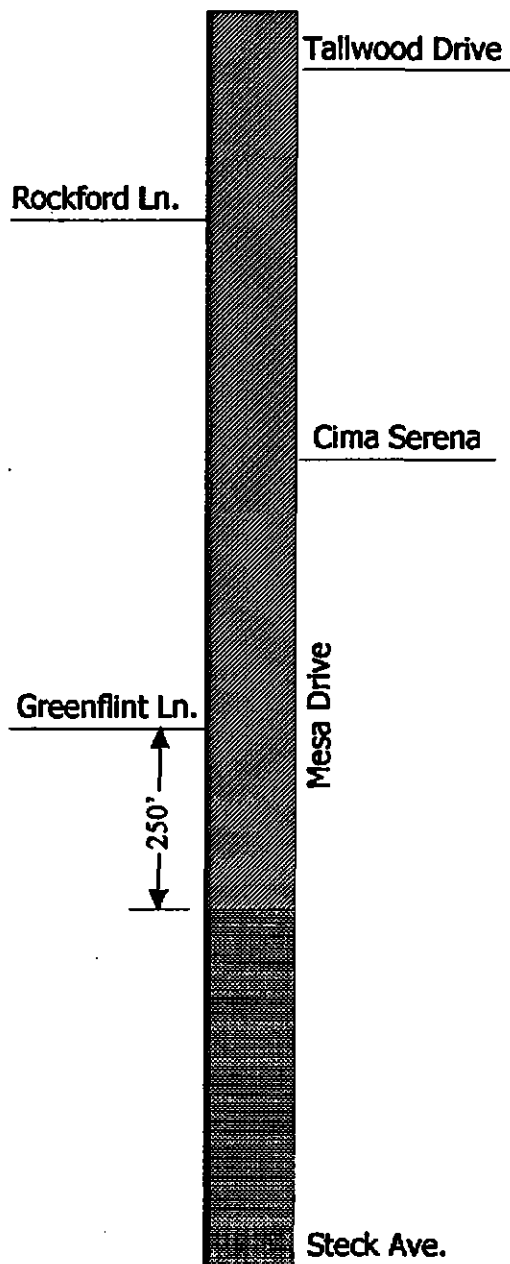
ATTEST: _____
 Shirley A. Brown
 City Clerk

EXISTING

PROPOSED



30 MPH



20 MPH During Certain Times

Public Works Department
School Speed Zone Map
Mesa Drive



MEMORANDUM

To: Traffic Study Files

From: Samileh Mozafari, P.E., North Area Supervisor
Transportation Division
Public Works Department

Date: 11/8/05

Subject: Reduced Speed School Zone Investigation

Location: Mesa Drive

Date(s) of Previous Investigation: None

A Traffic Engineering Investigation has been conducted by this department to determine if an existing Reduced Speed School Zone should be extended on Mesa Drive south of Greenflint Lane for Anderson High School.

The following information was collected and analyzed.

1 - The Proximity of the School Crossing to the School:

There are three crosswalks for crossing Mesa Drive in this school zone. The nearest crossing to Anderson High School is on the west side of the campus at the intersection of Mesa Drive and Greenflint Lane. The other crosswalks are located in the middle of the school zone at the intersection of Mesa Drive and Cima Serena, and at the north end of the school zone at the intersection of Mesa Drive and Austin Woods Drive. This school zone services both Anderson High and Hill Elementary schools.

2 - Peak School Period Pedestrian Counts

| Location | Date | Time | Pedestrian Volume | Approx. Age |
|-----------------------------|----------|---------------|-------------------|-------------|
| 8300 - 8400 Blk, Mesa Drive | 09/30/05 | 7:15 - 9:15am | 44 | High School |
| 8300 - 8400 Blk, Mesa Drive | 09/30/05 | 2:45 - 5:00pm | 64 | High School |

3 - Existing Roadway Conditions

| Location | Type of Controls | ADT Two Way | Posted Speed Limit | 85 th Percentile Speed | Street Width |
|-----------------------------|------------------|-------------|--------------------|-----------------------------------|--------------|
| 8300 - 8400 Blk, Mesa Drive | None | 7285 | 30 MPH | 37 mph | 42 feet |
| | | | | | |
| | | | | | |

4 - Peak School Period Speed Data

| Location | Dir | Number of Vehicles | | 85 TH Percentile Speeds | |
|-----------------------------|-----|--------------------|-----|------------------------------------|--------|
| | | AM | PM | AM | PM |
| 8300 - 8400 Blk, Mesa Drive | NB | 255 | 219 | 29 mph | 28 mph |
| 8300 - 8400 Blk, Mesa Drive | SB | 336 | 392 | 26 mph | 29 mph |

5 - Is an Adult Crossing Guard and/or Student Safety Patrol Assigned to this crossing?

No, there are no crossing guards assigned at any of the crosswalks on Mesa Drive.

6 - Pedestrian/Vehicular Accident History:

Reported intersection/Mid-block accidents experienced for a 12 month period ending 11/24/05.

| | Intersection | Mid-Block |
|----------------------------|--------------|-----------|
| No. of Ped./Veh. Accidents | 0 | 0 |
| No. of Veh./Veh. Accidents | 0 | 0 |

7 - Sight Distance:

Sight distance on Mesas Drive at the intersection with Greenflint Lane, Cima Serena, and Rockford Lane is clear.

8 - Sidewalk Location:

There is a five foot wide sidewalk in place on the west side of Mesa Drive and a 6 foot wide sidewalk on the east side of Mesa Drive.

9 - Other

Parents picking up and dropping off students park on both sides of Mesa Drive adjacent to Anderson High School and wait for children to come to and from their vehicles. The majority of the parked vehicles are south of the crosswalk and out of the school zone. There is a school crosswalk located at the intersection of Mesa Drive and Greenflint Lane near the location where parents park to drop off or pick up children. The area becomes quite congested at peak school hours and the amount of pedestrian traffic in and around the crosswalk is significant. This area is also where school buses stage to on-load and off-load students.

General Comments: The current school zone does not adequately cover the marked crosswalk at Greenflint Lane.

Prepared by,


Engineering Technician C

10/31/2005
Date

Based on the analysis of this information, it is my engineering judgment that the Reduced Speed School Zone of 20 mph during specified times on Mesa Drive should be extended an additional 250 south of Greenflint Lane. This results in having a school zone from 91 feet north of Austin Woods Drive to 250 feet south of Greenflint Lane.

Respectfully submitted,



Samileh Mozafari, P.E., North Area Supervisor
Transportation Division

PUBLIC WORKS DEPARTMENT



**Basic RCA
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

AGENDA ITEM NO.: Auto-Populate
AGENDA DATE: Auto-Populate
RCA TYPE: Auto-Populate
PAGE: 1 of 1

SUBJECT: Approve an ordinance amending Section 12-4-63 of the Code by extending the existing school zone on Mesa Drive to increase the safety of students attending Anderson High/Hill Elementary Schools.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of \$3900 is available in the approved Fiscal Year 2005-2006 Operating Budget of the Public Works Department for the installation of necessary signs and flashers.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

REQUESTING Public Works
DEPARTMENT:

**DIRECTOR'S
AUTHORIZATION:** _____

FOR MORE INFORMATION CONTACT: Samileh Mozafari, 974-7010; Henry Usher, 974-7038; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: N/A

The Transportation Division of the Public Works Department has completed an investigation on Mesa Drive adjacent to Anderson High School. Traffic volumes, speeds and pedestrian volumes and patterns were evaluated in order to determine what, if any modifications could be made to improve the safety of the students attending Anderson High School. As a result of this investigation, the Transportation Division recommends extending the school zone on Mesa Drive.

Amendment to Code Section 12-4-63 (20 MPH School Zones):

Repeal the subsection that reads: Mesa Drive from 91 feet north of Austin Woods Drive to north curb of Greenflint Lane (Hill Elementary School/Anderson High School).

Location: Mesa at Greenflint
 Work Description: Relocation of existing flasher
 Requestor:

Date: 11/8/05
 Estimator: BWC

| Bid Item | Estimated Quantity | Unit | Item Description | Unit Price | Total Amount |
|-----------------------------------|--------------------|------|--|------------|-------------------|
| 148 # | 1 | Ea | Procurement and Installation of 4" Pedestal Pole Foundation for Solar Powered Flashers | \$1,040.00 | \$1,040.00 |
| 368(2) | 20 | LF | Procurement and Installation of Multiconductor Signal Cable - 2 Conductor | \$0.68 | \$13.60 |
| 67 | 16 | Hour | Labor, Common | \$15.45 | \$247.20 |
| 74 | 3 | Hour | Supervisor, Utility Construction | \$27.98 | \$83.94 |
| 75 | 8 | Hour | Working Foreman, Utility Construction | \$21.40 | \$171.20 |
| 76 | 8 | Hour | Air Compressor, 170 CFM | \$20.13 | \$161.04 |
| 90 | 8 | Hour | Truck, 3/4 Ton Pickup | \$7.20 | \$57.60 |
| 92 | 8 | Hour | Truck, 1 1/2 Ton Utility Bed | \$12.05 | \$96.40 |
| 96 | 3 | Hour | Vehicle, Supervisor's | \$7.20 | \$21.60 |
| Sub Total Contractor Costs | | | | | \$1,692.58 |

Miscellaneous

| | | | | | |
|------------------|---|-----|---|---------|-----------------|
| COA | 2 | Ea. | Procurement 4" X 10" intermediate conduit | \$53.79 | \$107.58 |
| Sub Total | | | | | \$107.58 |

COA Labor

| | | | | | |
|------------------|-----|----|----------------|---------|-------------------|
| COA | 16 | Hr | Labor | \$17.00 | \$272.00 |
| COA | 8 | Hr | Trucks | \$40.00 | \$320.00 |
| COA | 272 | % | Fringe | 14.65% | \$311.85 |
| COA | 272 | % | Indirect costs | 80.00% | \$489.60 |
| COA | 16 | Hr | Insurance | \$1.24 | \$19.84 |
| Sub Total | | | | | \$1,413.29 |

Subtotal contractor, materials, and COA labor

\$3,413.45

20% - Contingencies

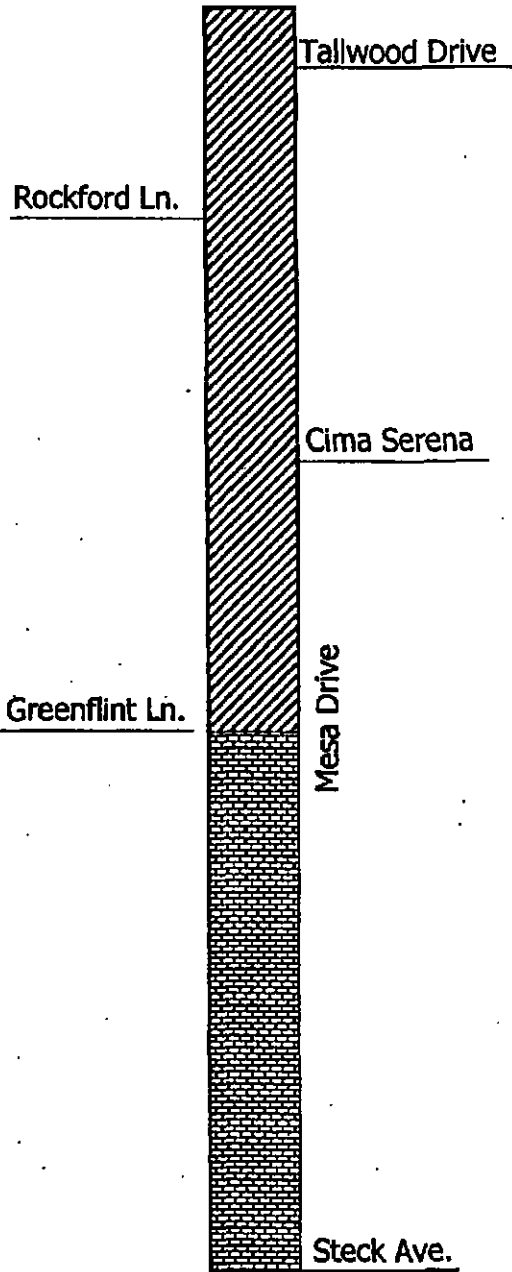
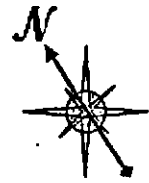
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GRAND TOTAL

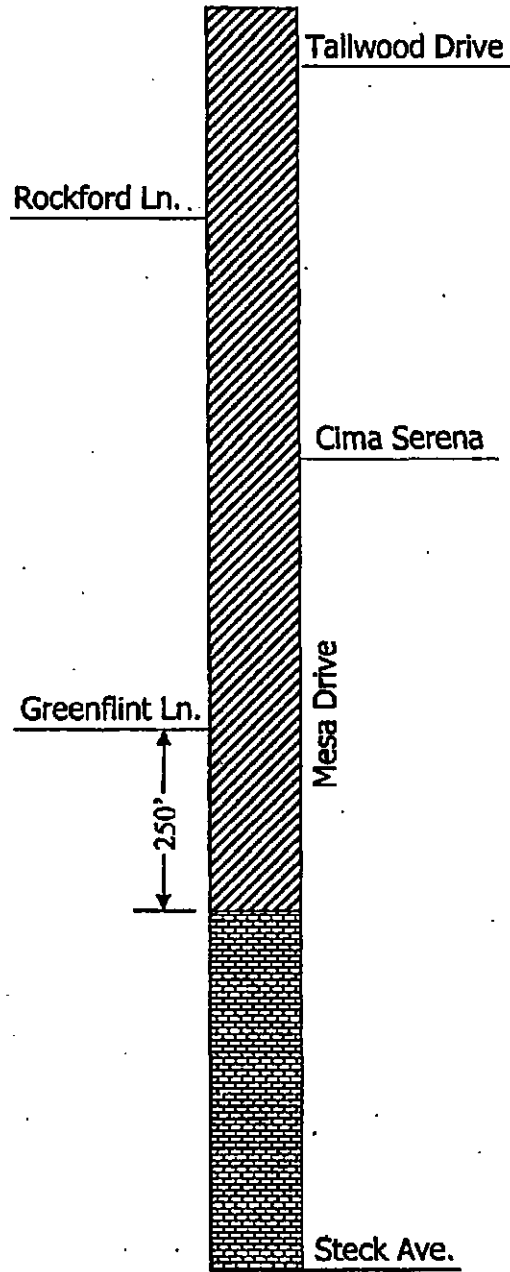
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EXISTING

PROPOSED




30 MPH




20 MPH During Certain Times