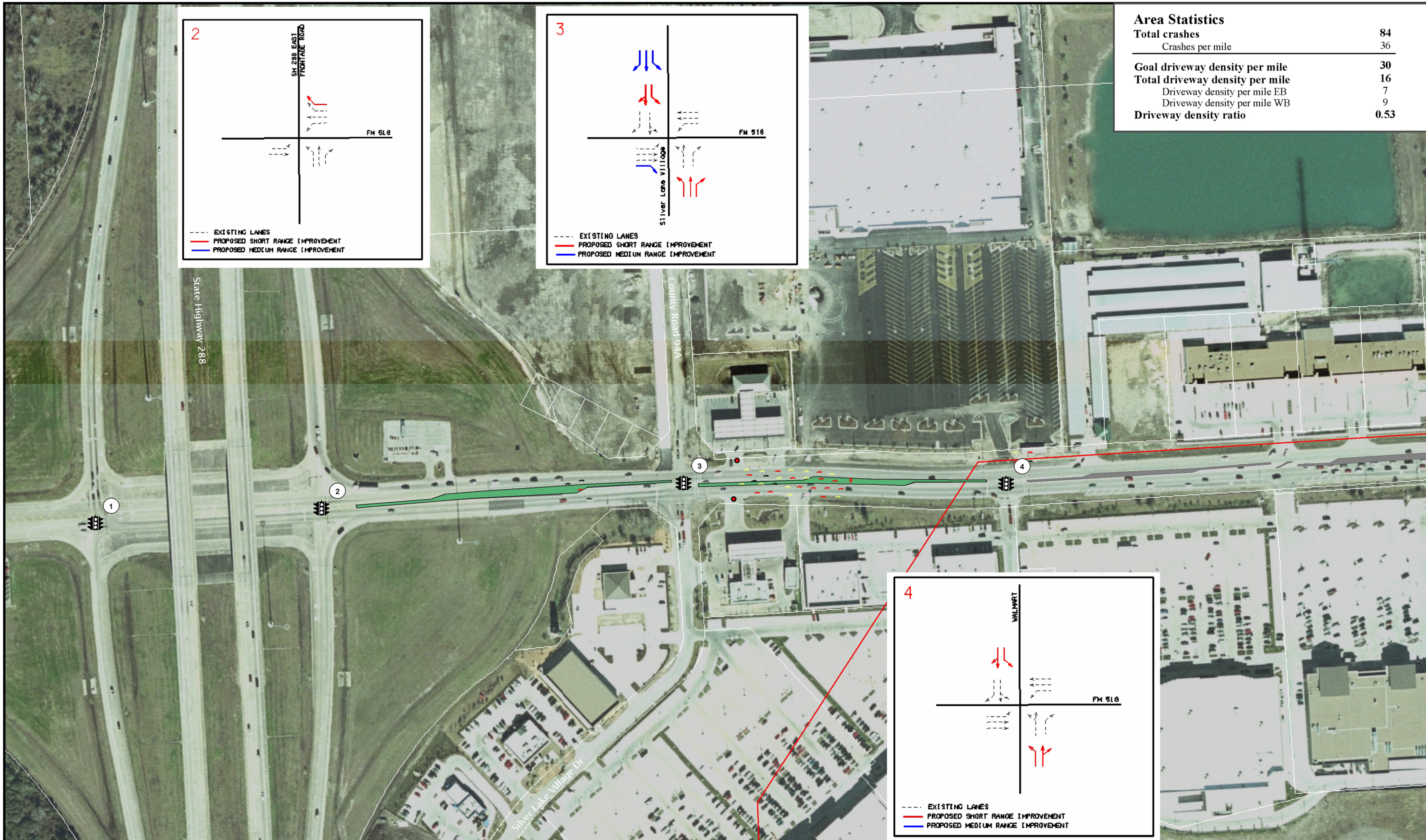
Appendix A
Corridor Maps



Area Statistics

Total crashes	84
Crashes per mile	36
Goal driveway density per mile	30
Total driveway density per mile	16
Driveway density per mile EB	7
Driveway density per mile WB	9
Driveway density ratio	0.53

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

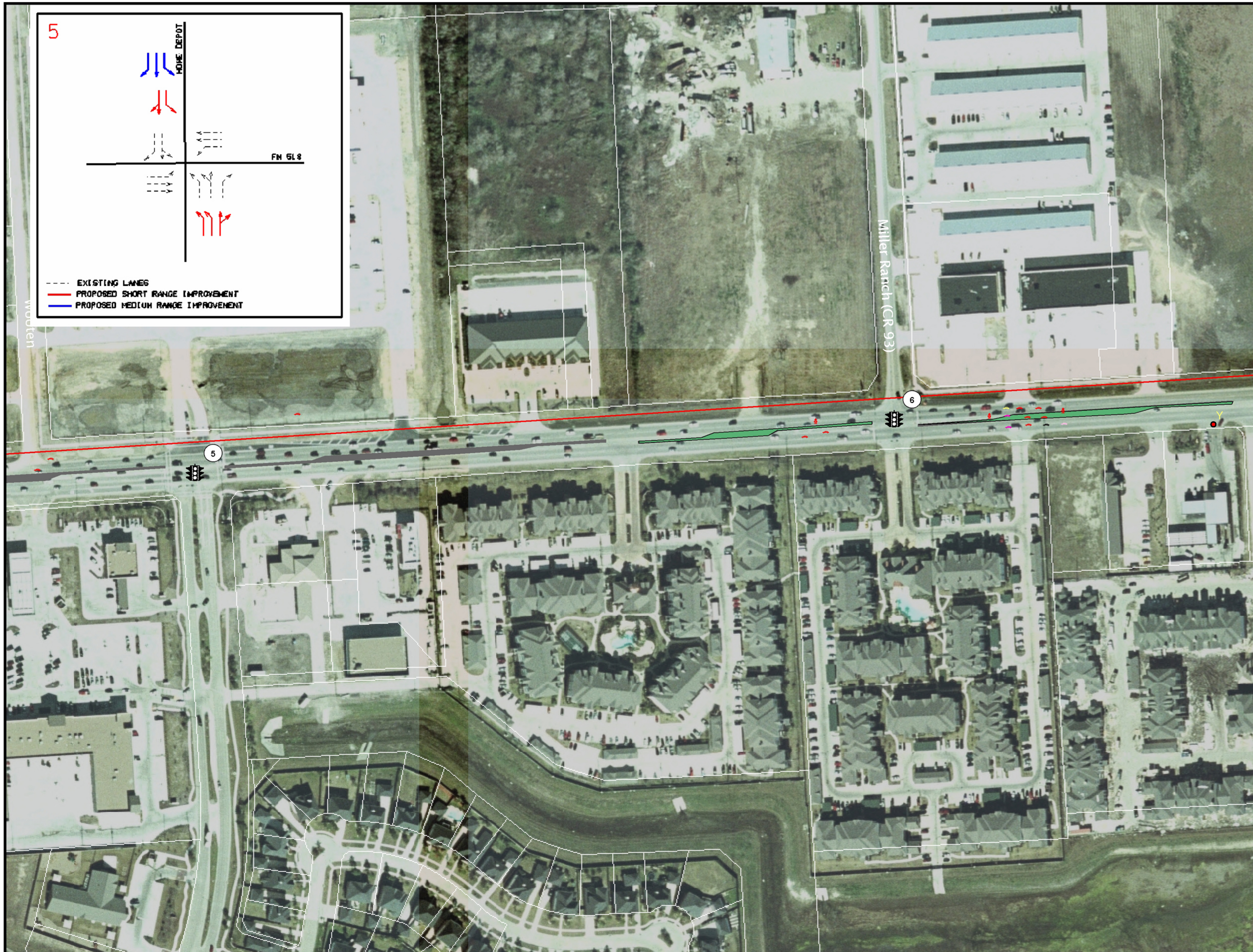
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 1



Area Statistics

Total crashes	**84**
Crashes per mile	36
Goal driveway density per mile	**30**
Total driveway density per mile	**16**
Driveway density per mile EB	7
Driveway density per mile WB	9
Driveway density ratio	**0.53**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland 2

Area Statistics

Total crashes	**84**
Crashes per mile	36
Goal driveway density per mile	**30**
Total driveway density per mile	**16**
Driveway density per mile EB	7
Driveway density per mile WB	9
Driveway density ratio	**0.53**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA Corporation, Inc.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

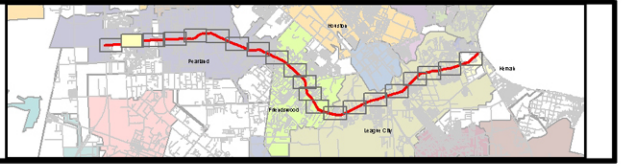
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 3



Area Statistics

Total crashes	**84**
Crashes per mile	36
Goal driveway density per mile	**30**
Total driveway density per mile	**16**
Driveway density per mile EB	7
Driveway density per mile WB	9
Driveway density ratio	**0.53**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

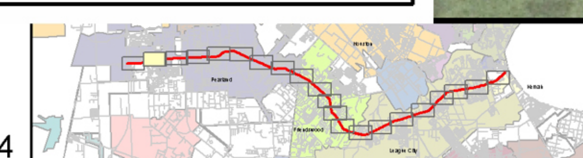
Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland 4



Area Statistics

Total crashes	**129**
Crashes per mile	59
Goal driveway density per mile	**30**
Total driveway density per mile	**37**
Driveway density per mile EB	20
Driveway density per mile WB	17
Driveway density ratio	**1.24**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS

Texas Department of Transportation

H-GAC Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

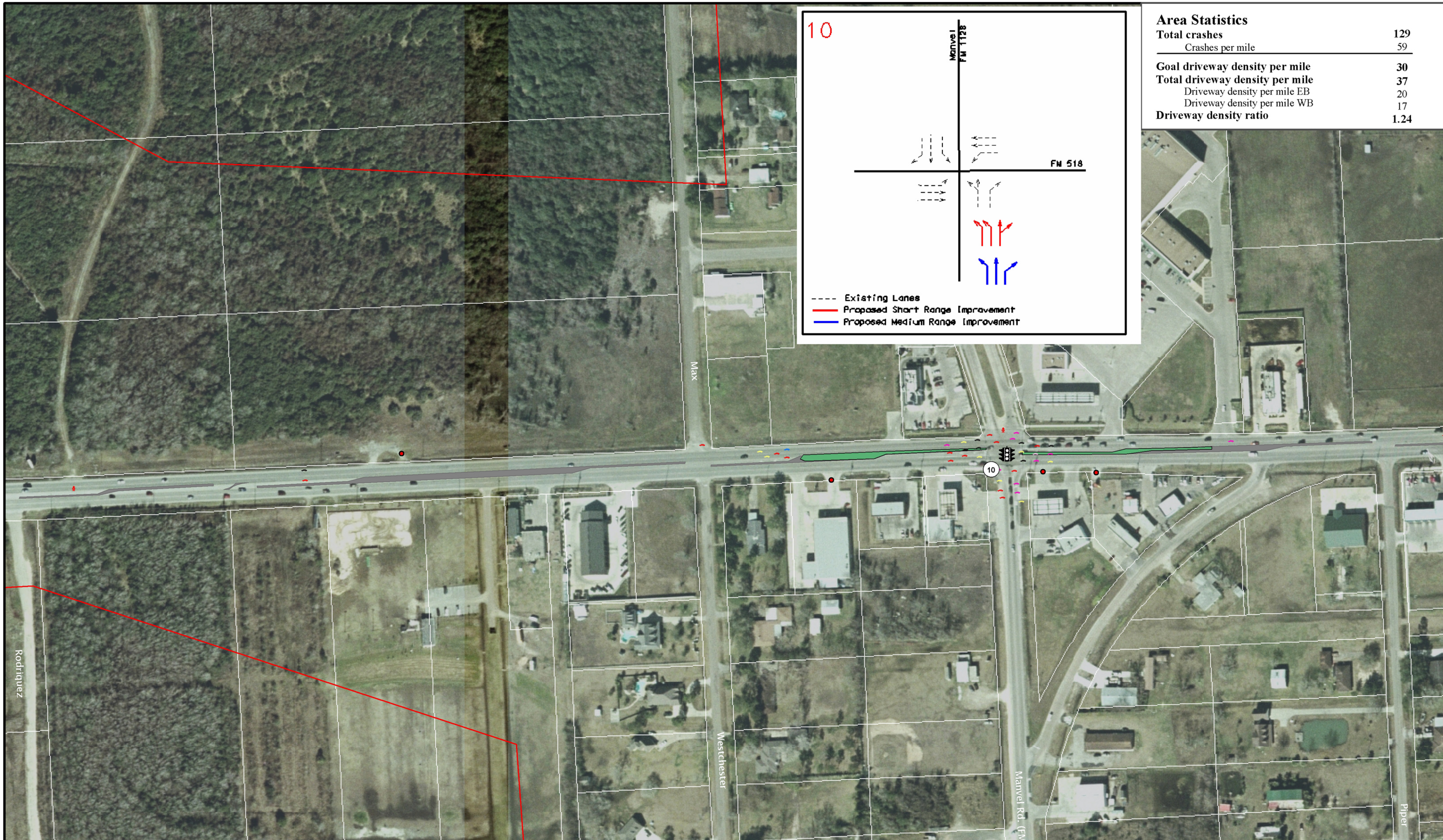
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

Scale: 1" = 200'

Pearland 5



Area Statistics

Total crashes	129
Crashes per mile	59
Goal driveway density per mile	30
Total driveway density per mile	37
Driveway density per mile EB	20
Driveway density per mile WB	17
Driveway density ratio	1.24

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

Scale: 1" = 200'

Pearland 6

Area Statistics

Total crashes	**141**
Crashes per mile	80
Goal driveway density per mile	**30**
Total driveway density per mile	**59**
Driveway density per mile EB	30
Driveway density per mile WB	29
Driveway density ratio	**1.96**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland 7

Area Statistics

Total crashes	141
Crashes per mile	80
Goal driveway density per mile	30
Total driveway density per mile	59
Driveway density per mile EB	30
Driveway density per mile WB	29
Driveway density ratio	1.96

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland 8

Area Statistics

Total crashes	141
Crashes per mile	80
Goal driveway density per mile	30
Total driveway density per mile	59
Driveway density per mile EB	30
Driveway density per mile WB	29
Driveway Density Ratio	1.96

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Bike / Pedestrian Facility
- Signalized Intersections
- City Boundaries

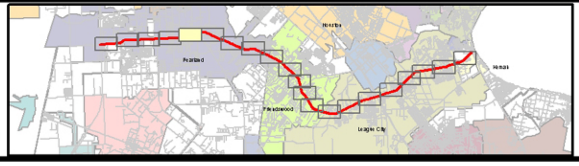
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 9



Area Statistics

Total crashes	**141**
Crashes per mile	80
Goal driveway density per mile	**30**
Total driveway density per mile	**59**
Driveway density per mile EB	30
Driveway density per mile WB	29
Driveway density ratio	**1.96**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.   GUNDA CORPORATION, INC.   JACOBS   Texas Department of Transportation   Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

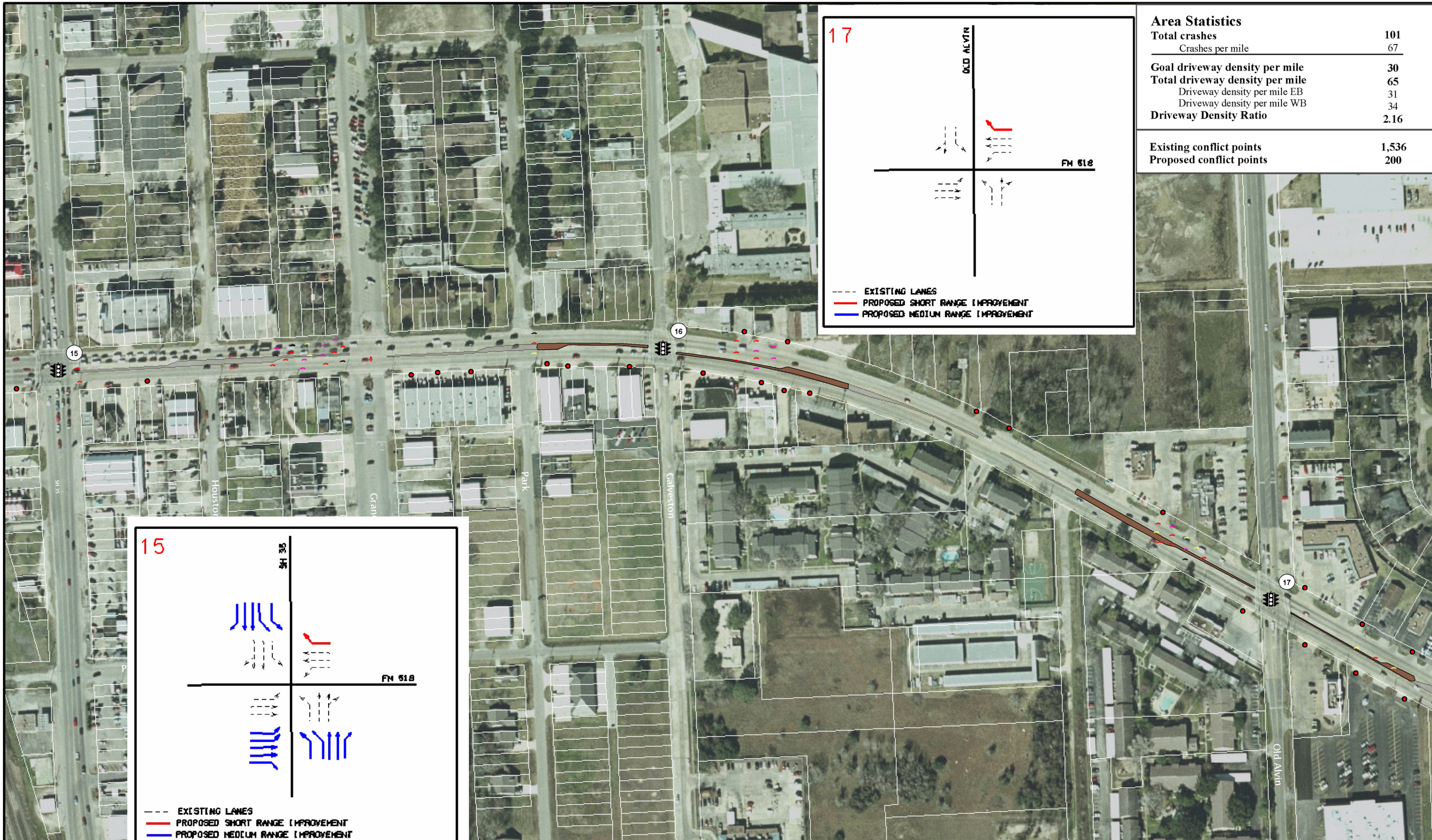
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 10



Area Statistics

Total crashes	101
Crashes per mile	67
Goal driveway density per mile	30
Total driveway density per mile	65
Driveway density per mile EB	31
Driveway density per mile WB	34
Driveway Density Ratio	2.16
Existing conflict points	1,536
Proposed conflict points	200

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 11

Area Statistics

Total crashes	101
Crashes per mile	67
Goal driveway density per mile	30
Total driveway density per mile	65
Driveway density per mile EB	31
Driveway density per mile WB	34
Driveway Density Ratio	2.16

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

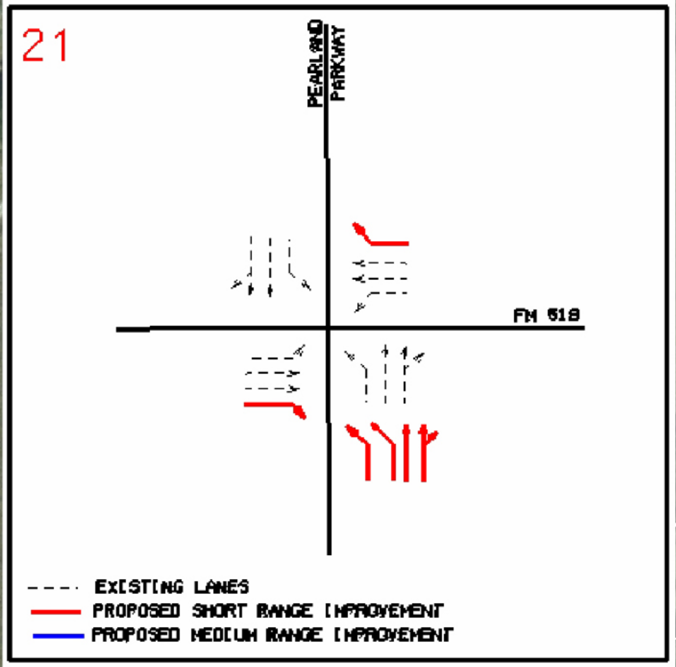
Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

SCALE: 1"= 200'

Pearland 12

Area Statistics

Total crashes	102
Crashes per mile	35
Goal driveway density per mile	30
Total driveway density per mile	41
Driveway density per mile EB	20
Driveway density per mile WB	21
Driveway density ratio	1.38



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland 13

Area Statistics

Total crashes	**102**
Crashes per mile	35
Goal driveway density per mile	**30**
Total driveway density per mile	**41**
Driveway density per mile EB	20
Driveway density per mile WB	21
Driveway Density Ratio	**1.38**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other, Right, Rear End, Side, Left, Headon, Pedestrian, Bicyclist, Fixed Obj

N

SCALE: 1"= 200'

Pearland 14

Area Statistics

Total crashes	102
Crashes per mile	35
Goal driveway density per mile	30
Total driveway density per mile	41
Driveway density per mile EB	20
Driveway density per mile WB	21
Driveway density ratio	

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

SCALE: 1"= 200'

Pearland 15

Area Statistics

Total crashes	**102**
Crashes per mile	35
Goal driveway density per mile	**30**
Total driveway density per mile	**41**
Driveway density per mile EB	20
Driveway density per mile WB	21
Driveway density ratio	**1.38**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA Corporation, Inc. JACOBS Texas Department of Transportation

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

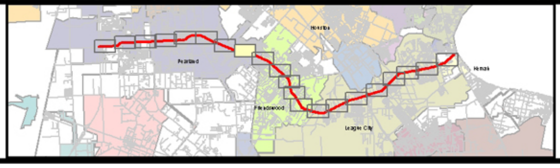
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Pearland 16



Area Statistics

Total crashes	42
Crashes per mile	34
Goal driveway density per mile	30
Total driveway density per mile	48
Driveway density per mile EB	21
Driveway density per mile WB	27
Driveway density ratio	1.60

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA Corporation, Inc. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

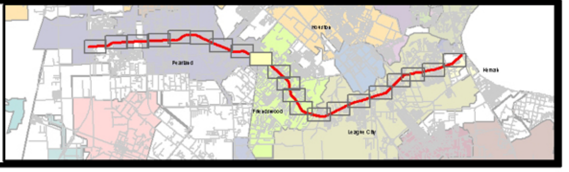
Crashes

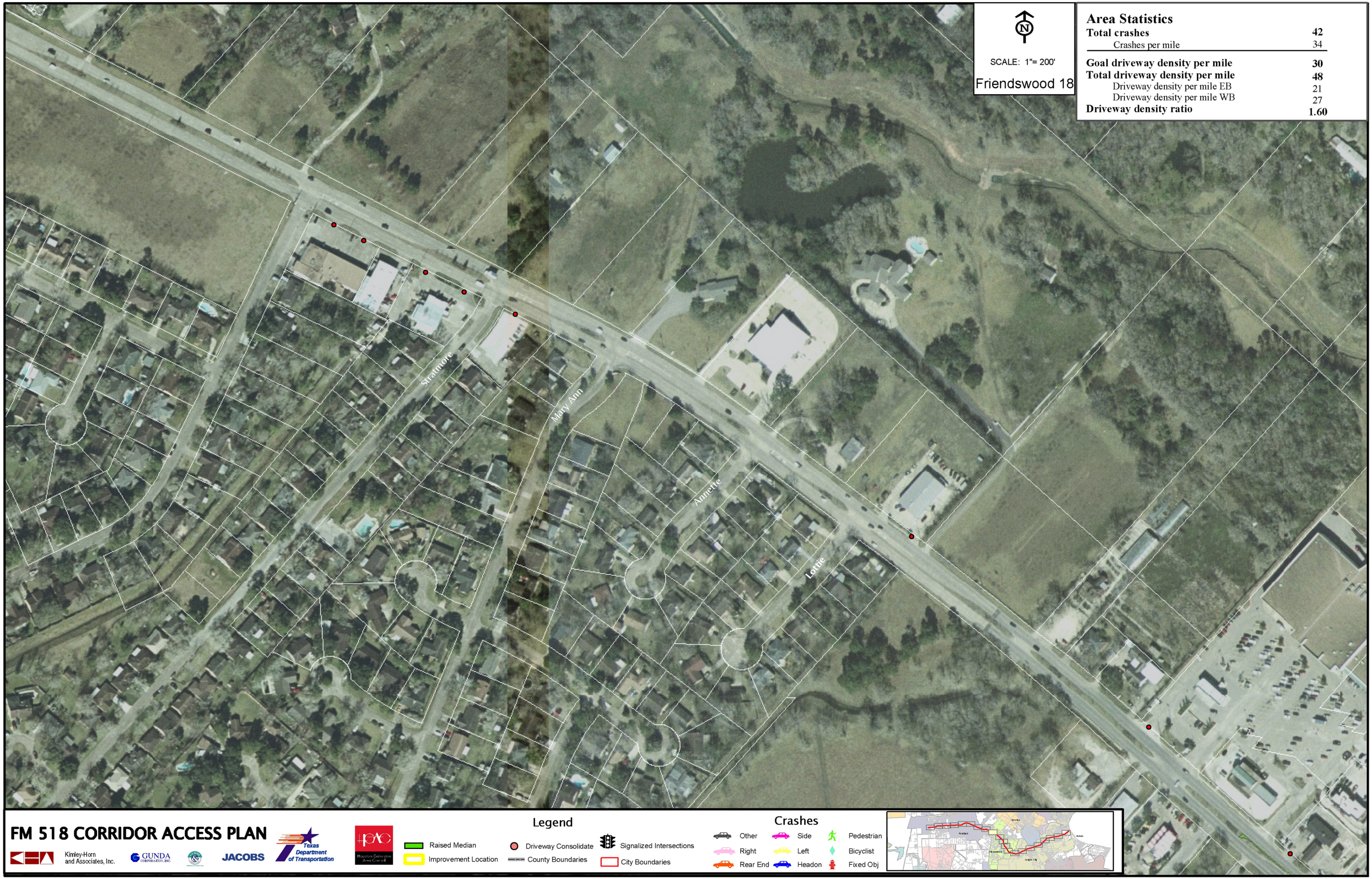
Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

Pearland/Friendswood 17





Area Statistics

Total crashes	42
Crashes per mile	34
Goal driveway density per mile	30
Total driveway density per mile	48
Driveway density per mile EB	21
Driveway density per mile WB	27
Driveway density ratio	1.60

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
HOUSTON-GALVESTON AREA COUNCIL

Legend

Raised Median
Improvement Location
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

GUNDA CORPORATION, INC.

JACOBS

Texas Department of Transportation

Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

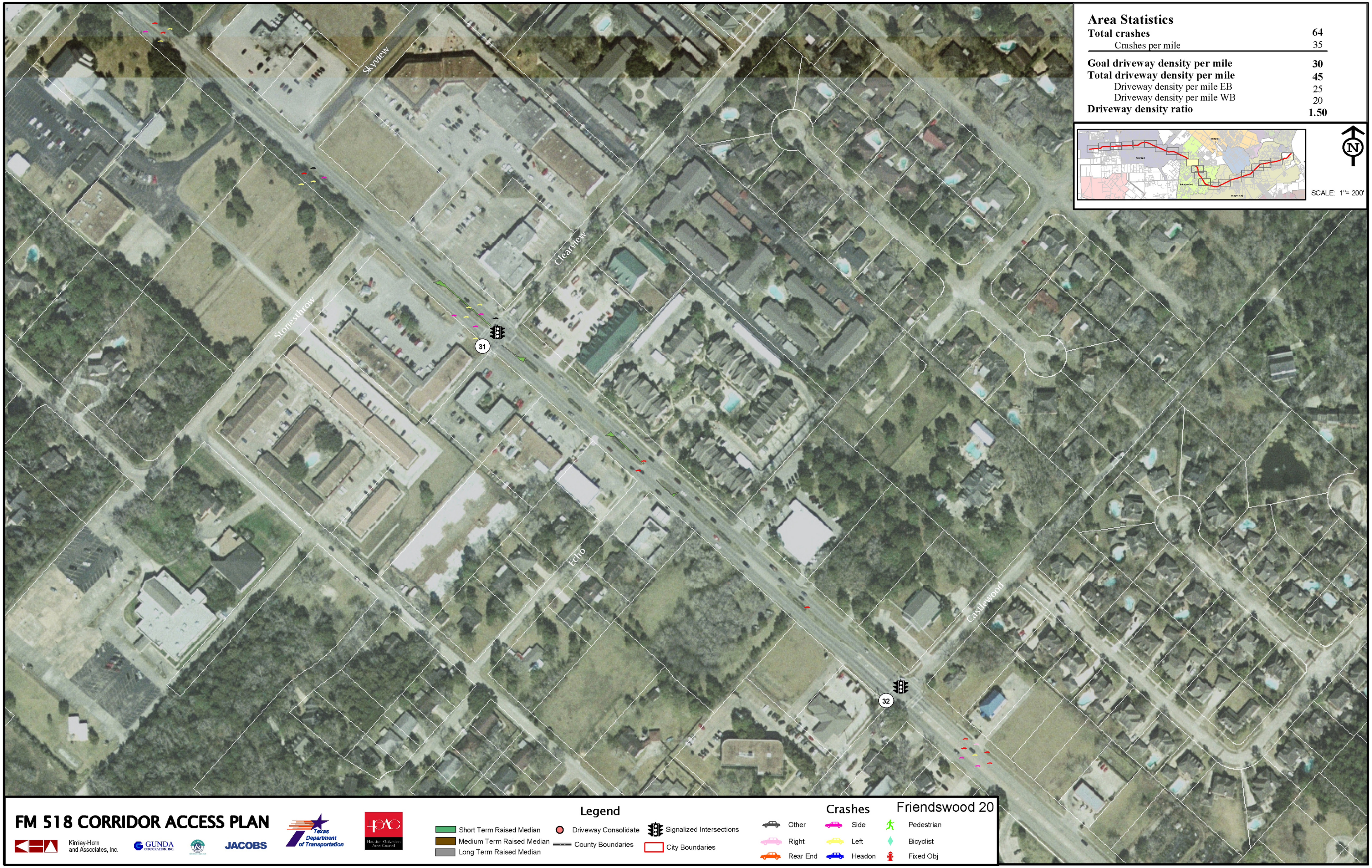
- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

Area Statistics

Total crashes	64
Crashes per mile	35
Goal driveway density per mile	30
Total driveway density per mile	45
Driveway density per mile EB	25
Driveway density per mile WB	20
Driveway density ratio	1.50

SCALE: 1"= 200'

Friendswood 19



Area Statistics

Total crashes	**64**
Crashes per mile	35
Goal driveway density per mile	**30**
Total driveway density per mile	**45**
Driveway density per mile EB	25
Driveway density per mile WB	20
Driveway density ratio	**1.50**

N

SCALE: 1"= 200'

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

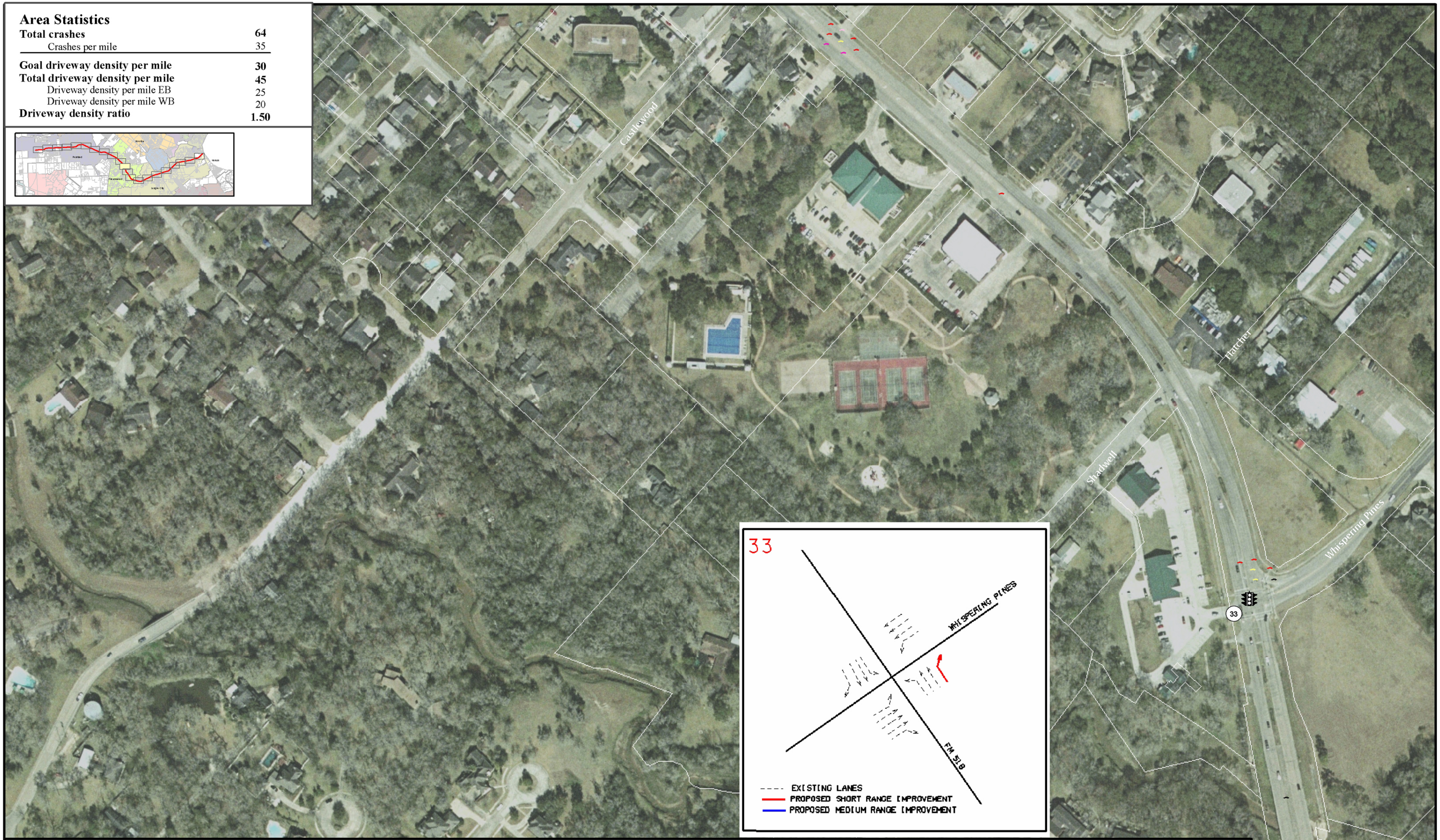
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

Friendswood 20

Area Statistics

Total crashes	64
Crashes per mile	35
Goal driveway density per mile	30
Total driveway density per mile	45
Driveway density per mile EB	25
Driveway density per mile WB	20
Driveway density ratio	1.50



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation

Legend

Raised Median
Improvement Location
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

SCALE: 1"= 200'

Friendswood 21

Area Statistics

Total crashes	**64**
Crashes per mile	35
Goal driveway density per mile	**30**
Total driveway density per mile	**45**
Driveway density per mile EB	25
Driveway density per mile WB	20
Driveway density ratio	**1.50**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA Corporation, Inc. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

Friendswood 22

Area Statistics

Total crashes	19
Crashes per mile	10
Goal driveway density per mile	30
Total driveway density per mile	14
Driveway density per mile EB	10
Driveway density per mile WB	4
Driveway density ratio	0.47
Existing conflict points	496
Proposed conflict points	314

N

SCALE: 1"= 200'

FM 518 CORRIDOR ACCESS PLAN

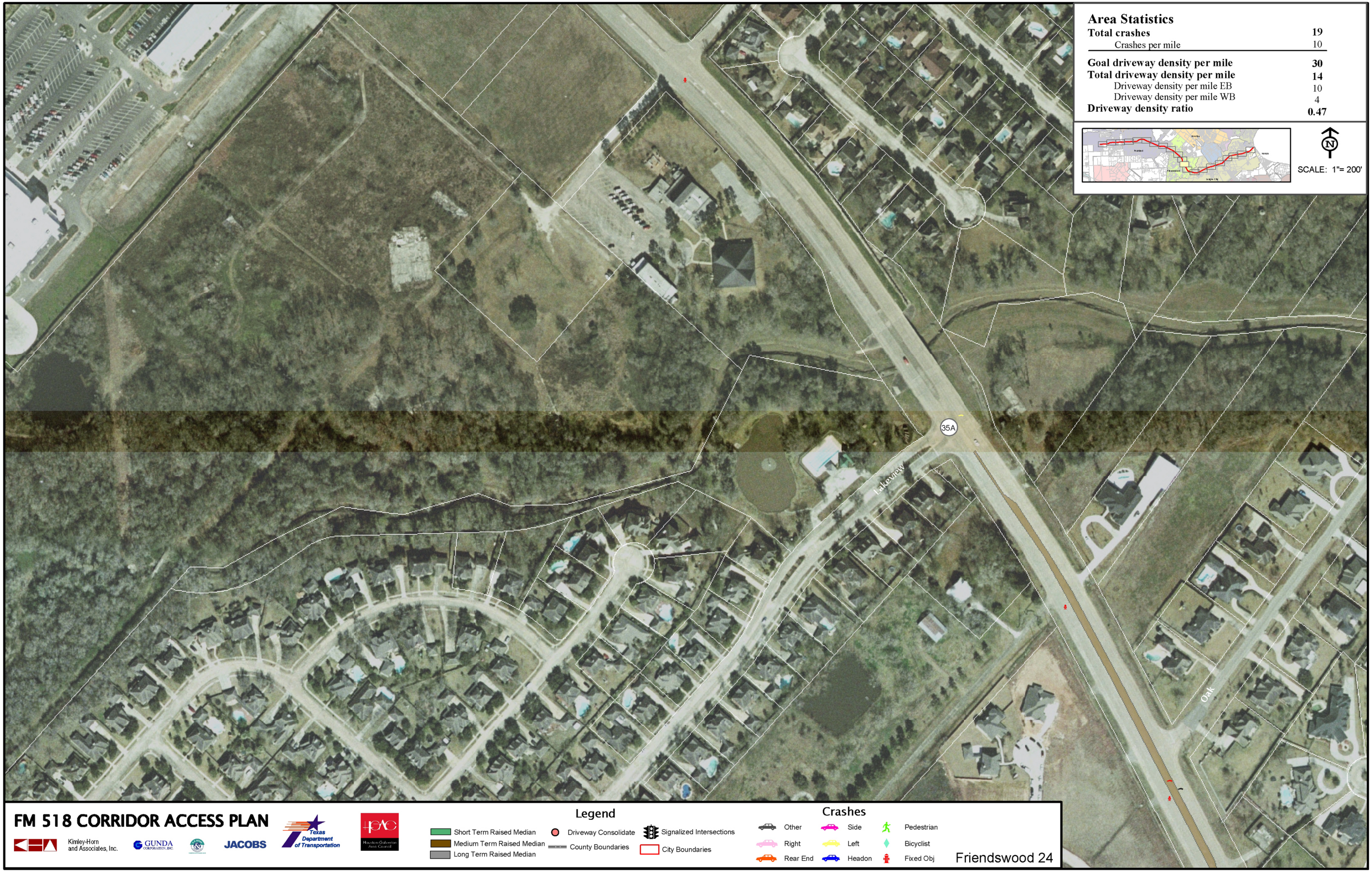
Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation H-GAC Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj



Area Statistics

Total crashes	19
Crashes per mile	10
Goal driveway density per mile	30
Total driveway density per mile	14
Driveway density per mile EB	10
Driveway density per mile WB	4
Driveway density ratio	0.47

N

SCALE: 1"= 200'

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

GUNDA CORPORATION, INC.

JACOBS

Texas Department of Transportation

Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

Area Statistics

Total crashes	19
Crashes per mile	10
Goal driveway density per mile	30
Total driveway density per mile	14
Driveway density per mile EB	10
Driveway density per mile WB	4
Driveway density ratio	0.47

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

SCALE: 1"= 200'

Friendswood 25

Area Statistics

Total crashes	19
Crashes per mile	10
Goal driveway density per mile	30
Total driveway density per mile	14
Driveway density per mile EB	10
Driveway density per mile WB	4
Driveway Density Ratio	0.47

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

Friendswood 26

Area Statistics

Total crashes	**33**
Crashes per mile	13
Goal driveway density per mile	**30**
Total driveway density per mile	**21**
Driveway density per mile EB	7
Driveway density per mile WB	14
Driveway density ratio	**0.69**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS

Texas Department of Transportation

Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

League City 27

Area Statistics

Total crashes	33
Crashes per mile	13
Goal driveway density per mile	30
Total driveway density per mile	21
Driveway density per mile EB	7
Driveway density per mile WB	14
Driveway density ratio	0.69

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

League City 28

Area Statistics

Total crashes	33
Crashes per mile	13
Goal driveway density per mile	30
Total driveway density per mile	21
Driveway density per mile EB	7
Driveway density per mile WB	14
Driveway density ratio	0.69

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Bicycle Pedestrian Improvements
Signalized Intersections
City Boundaries

Crashes

Other, Side, Pedestrian
Right, Left, Bicyclist
Rear End, Headon, Fixed Obj

N

SCALE: 1"= 200'

League City 29

Area Statistics

Total crashes	**33**
Crashes per mile	13
Goal driveway density per mile	**30**
Total driveway density per mile	**21**
Driveway density per mile EB	7
Driveway density per mile WB	14
Driveway density ratio	**0.69**

FM 518 CORRIDOR ACCESS

Kimley-Horn and Associates, Inc.

GUNDA CORPORATION, INC.

Texas Department of Transportation

Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Bicycle Pedestrian Improvements
- Signalized Intersections
- City Boundaries

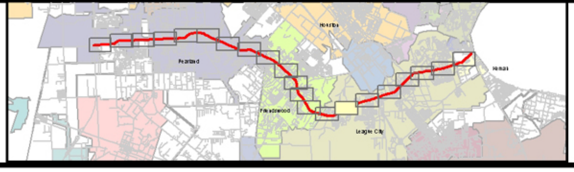
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

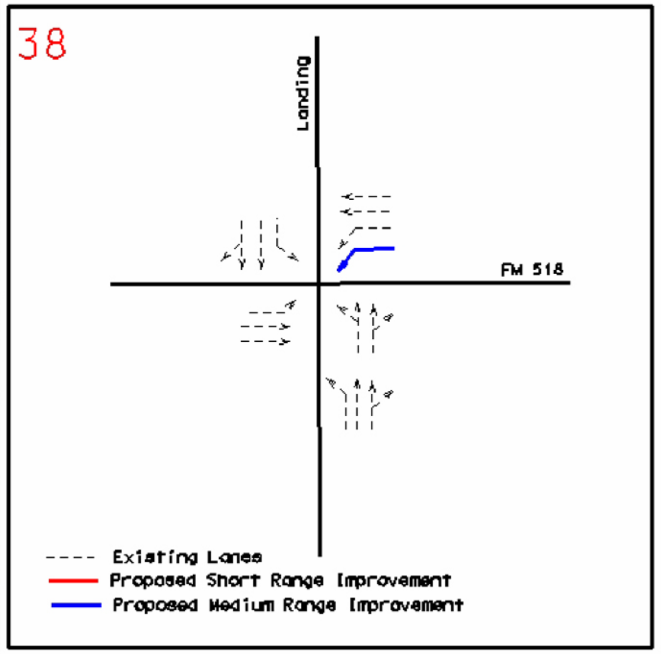
SCALE: 1"= 200'

League City 30



Area Statistics

Total crashes	69
Crashes per mile	88
Goal driveway density per mile	30
Total driveway density per mile	59
Driveway density per mile EB	26
Driveway density per mile WB	33
Driveway density ratio	1.97



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Bicycle Pedestrian Improvements
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

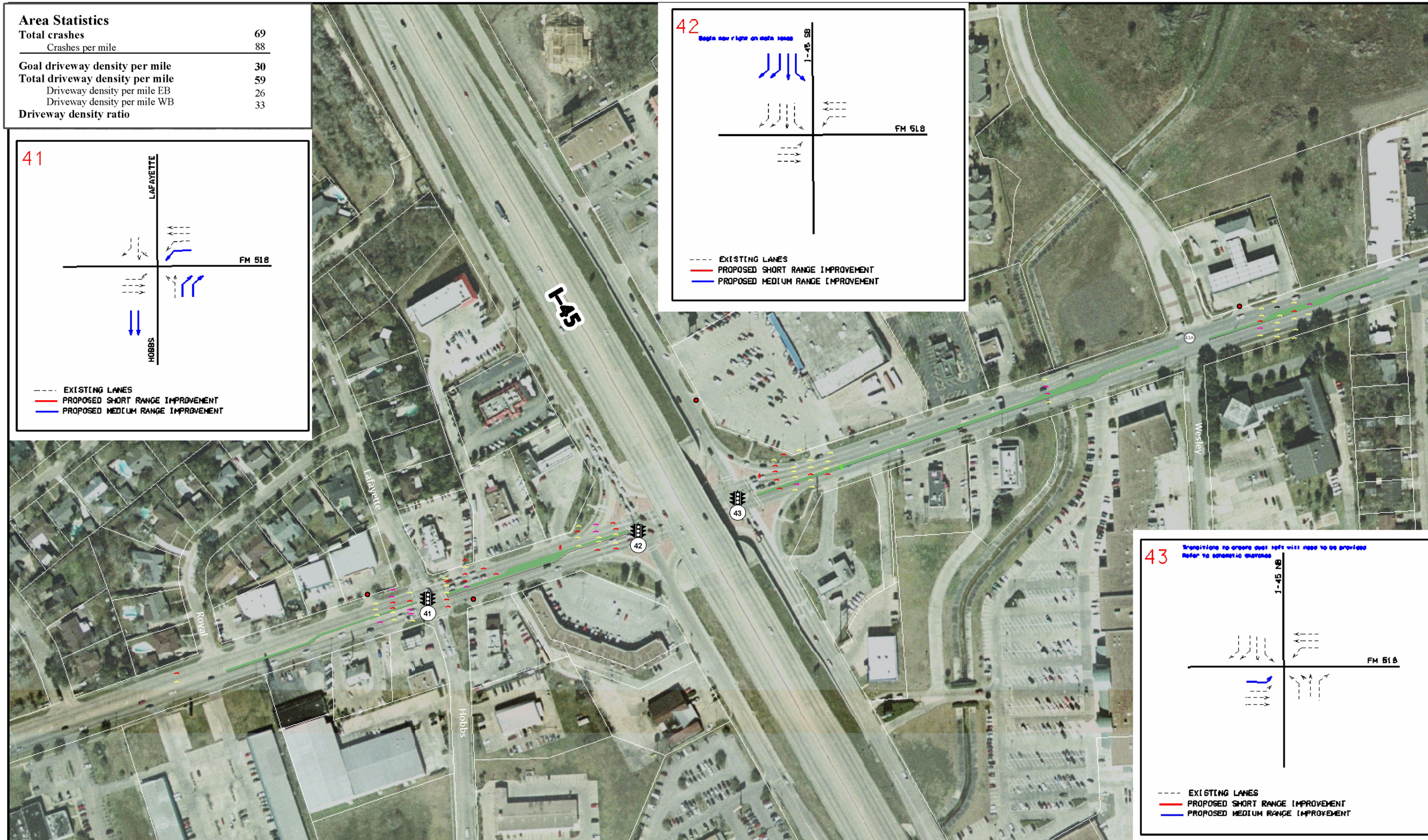
N

SCALE: 1"= 200'

League City 31

Area Statistics

Total crashes	69
Crashes per mile	88
Goal driveway density per mile	30
Total driveway density per mile	59
Driveway density per mile EB	26
Driveway density per mile WB	33
Driveway density ratio	



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

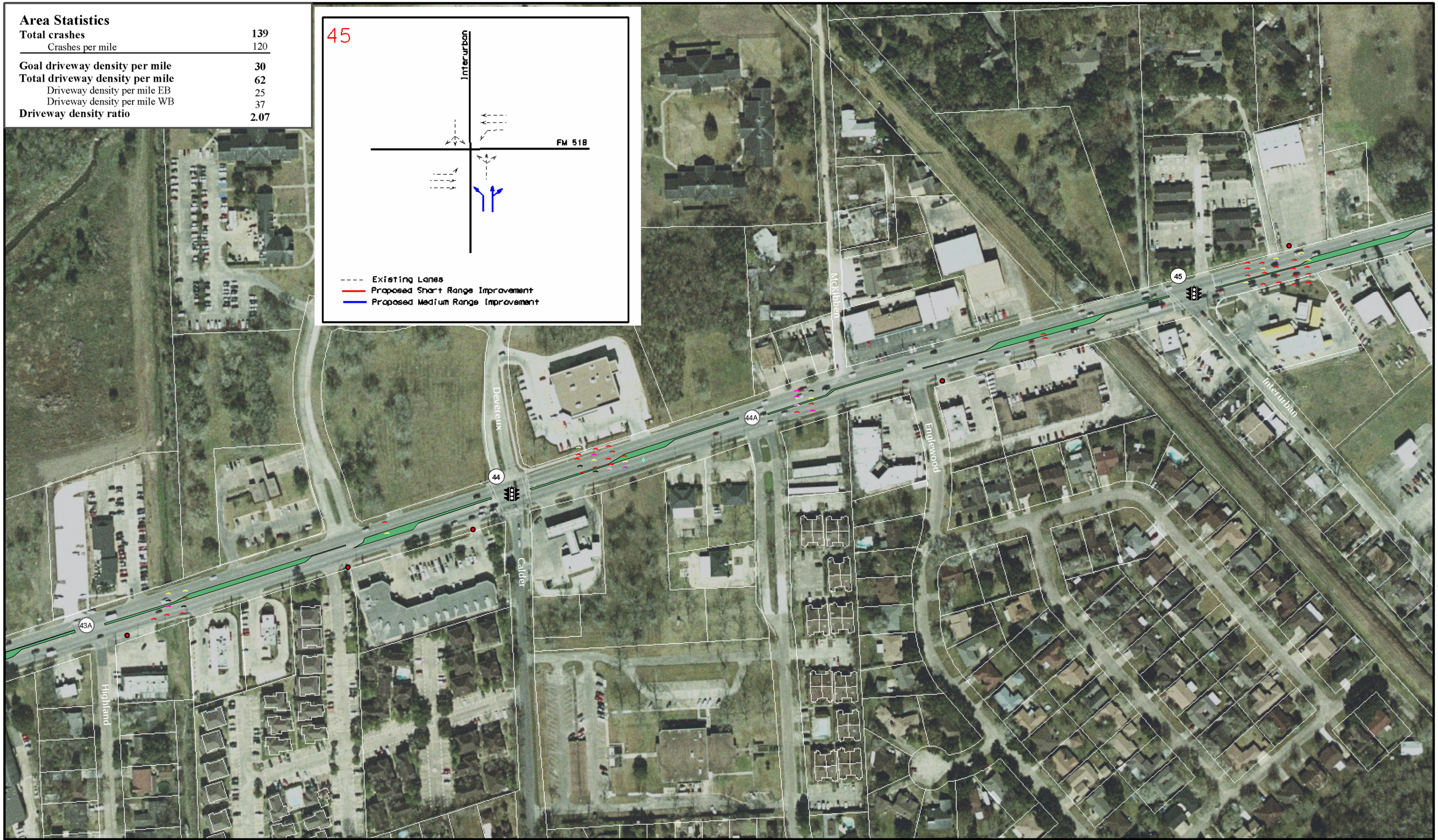
Other, Right, Rear End, Side, Left, Headon, Pedestrian, Bicyclist, Fixed Obj

SCALE: 1"= 200'

League City 32

Area Statistics

Total crashes	139
Crashes per mile	120
Goal driveway density per mile	30
Total driveway density per mile	62
Driveway density per mile EB	25
Driveway density per mile WB	37
Driveway density ratio	2.07



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

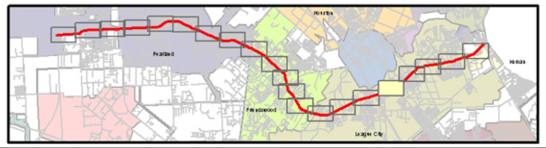
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

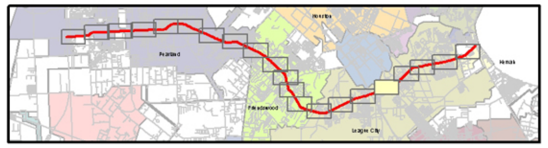
SCALE: 1"= 200'

League City 33



Area Statistics

Total crashes	139
Crashes per mile	120
Goal driveway density per mile	30
Total driveway density per mile	62
Driveway density per mile EB	25
Driveway density per mile WB	37
Driveway density ratio	2.07
Existing conflict points	1,184
Proposed conflict points	226



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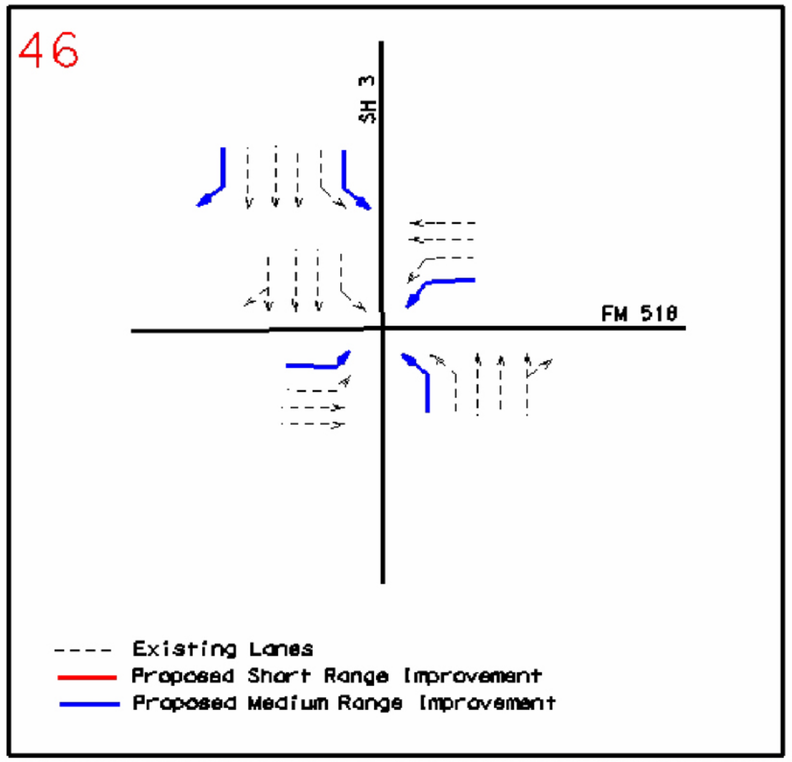


FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

GUNDA CORPORATION, INC.

JACOBS

Texas Department of Transportation

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

League City 34

Area Statistics

Total crashes	**173**
Crashes per mile	116
Goal driveway density per mile	**30**
Total driveway density per mile	**60**
Driveway density per mile EB	24
Driveway density per mile WB	36
Driveway density ratio	**1.99**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

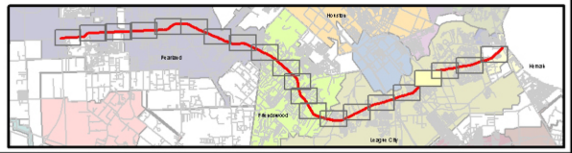
Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

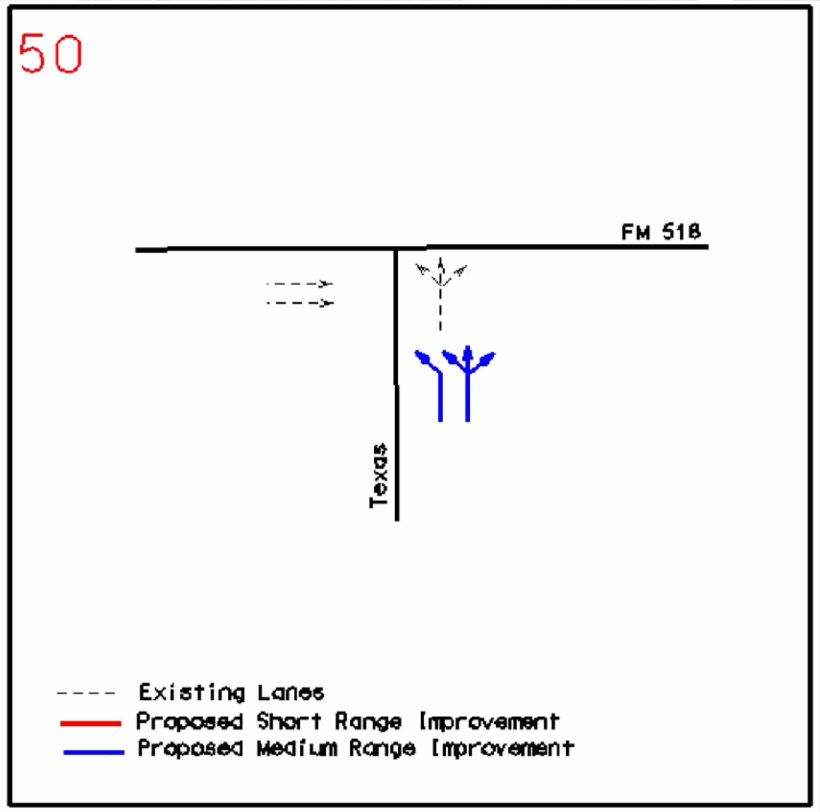
SCALE: 1"= 200'

League City 35



Area Statistics

Total crashes	173
Crashes per mile	116
Goal driveway density per mile	30
Total driveway density per mile	60
Driveway density per mile EB	24
Driveway density per mile WB	36
Driveway density ratio	1.99



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
H-GAC Houston-Galveston Area Council

Legend

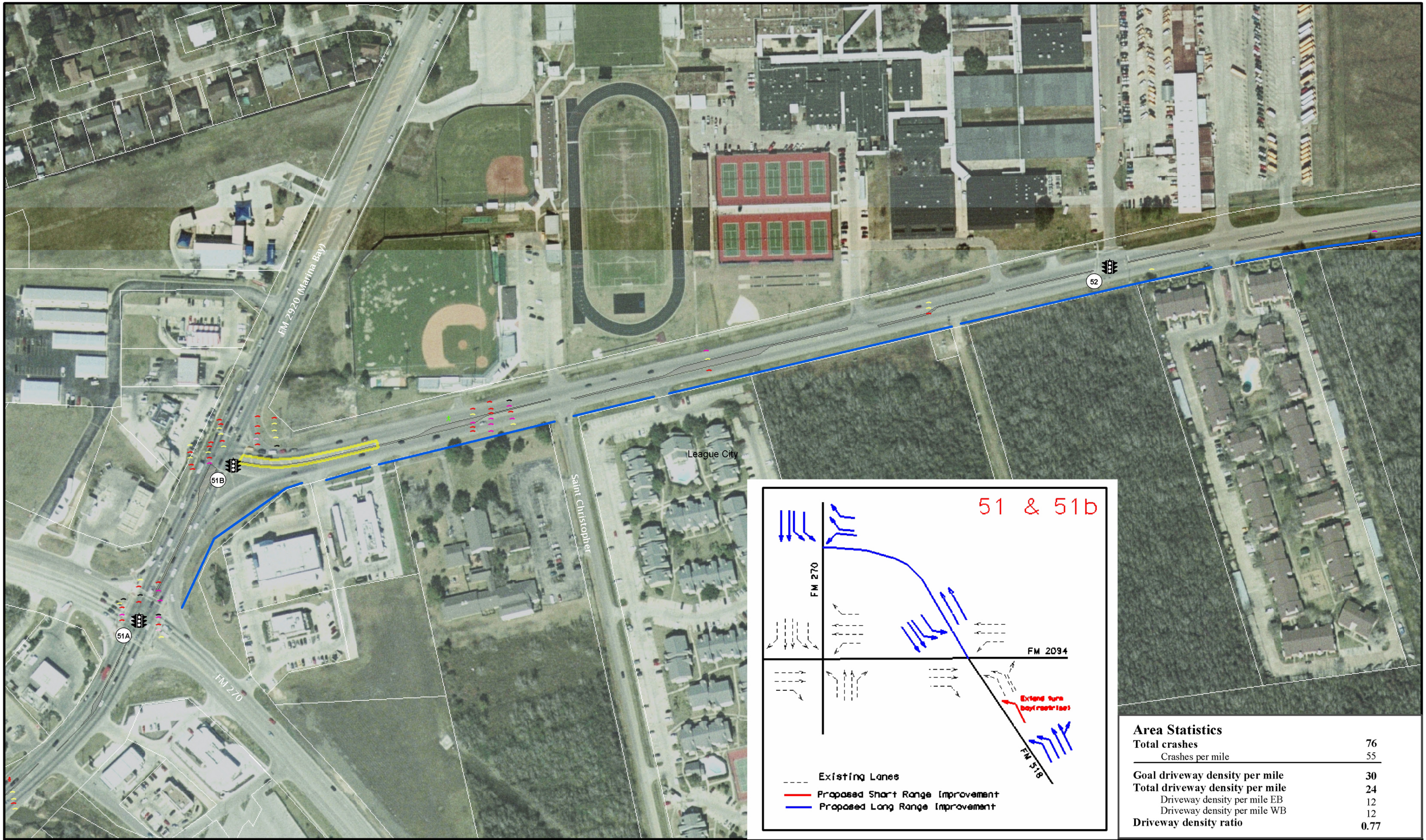
- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

SCALE: 1"= 200'

League City 36



Area Statistics

Total crashes	76
Crashes per mile	55
Goal driveway density per mile	30
Total driveway density per mile	24
Driveway density per mile EB	12
Driveway density per mile WB	12
Driveway density ratio	0.77

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

League City 37

Area Statistics

Total crashes	76
Crashes per mile	55
Goal driveway density per mile	30
Total driveway density per mile	24
Driveway density per mile EB	12
Driveway density per mile WB	12
Driveway density ratio	0.77

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS Texas Department of Transportation

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

SCALE: 1"= 200'

League City 38

Area Statistics

Total crashes	31
Crashes per mile	23
Goal driveway density per mile	30
Total driveway density per mile	15
Driveway density per mile EB	11
Driveway density per mile WB	4
Driveway density ratio	0.51

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

League City 39

Area Statistics

Total crashes	**31**
Crashes per mile	23
Goal driveway density per mile	**30**
Total driveway density per mile	**15**
Driveway density per mile EB	11
Driveway density per mile WB	4
Driveway density ratio	**0.51**

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

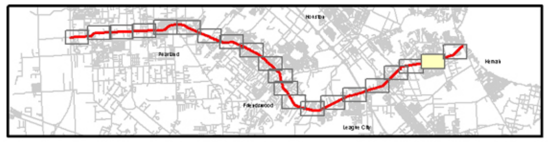
Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

N

SCALE: 1"= 200'

League City 40



Area Statistics

Total crashes	18
Crashes per mile	16
Goal driveway density per mile	30
Total driveway density per mile	24
Driveway density per mile EB	10
Driveway density per mile WB	14
Driveway density ratio	0.79

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA CORPORATION, INC. JACOBS Texas Department of Transportation H-GAC Houston-Galveston Area Council

Legend

- Short Term Raised Median
- Medium Term Raised Median
- Long Term Raised Median
- Driveway Consolidate
- County Boundaries
- Signalized Intersections
- City Boundaries

Crashes

- Other
- Right
- Rear End
- Side
- Left
- Headon
- Pedestrian
- Bicyclist
- Fixed Obj

N

SCALE: 1"= 200'

League City/Kemah 41

Area Statistics

Total crashes	18
Crashes per mile	16
Goal driveway density per mile	30
Total driveway density per mile	24
Driveway density per mile EB	10
Driveway density per mile WB	14
Driveway density ratio	0.79

FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
Texas Department of Transportation
Houston-Galveston Area Council

Legend

Short Term Raised Median
Medium Term Raised Median
Long Term Raised Median
Driveway Consolidate
County Boundaries
Signalized Intersections
City Boundaries

Crashes

Other
Right
Rear End
Side
Left
Headon
Pedestrian
Bicyclist
Fixed Obj

SCALE: 1"= 200'

Kemah 42

Appendix B
Short-Term Improvement Designs

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT S.H. 288	JOB NO: 063591700
CK'D BY: KJS		FILE NAME:
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DATE: 07/26/2004	APPROVED BY:	SHT NO: –

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SH 288 @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
West Bound Right Turn Lane with Shoulder						
110	501	EXCAVATION (RDWY)	CY	125	$4.00	$500.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	325	$5.00	$1,625.00
360	528	CONC PAV (JOINT REINF)(6")	SY	325	$28.00	$9,100.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	325	$4.50	$1,462.50
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	3	$250.00	$750.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
TOTALS						$18,537.50
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$21,037.50
MOBILIZATION (10%)			LS	12%		$2,524.50
SUBTOTAL 2						$23,562.00
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$4,712.40
GRAND TOTAL						**$28,274.40**

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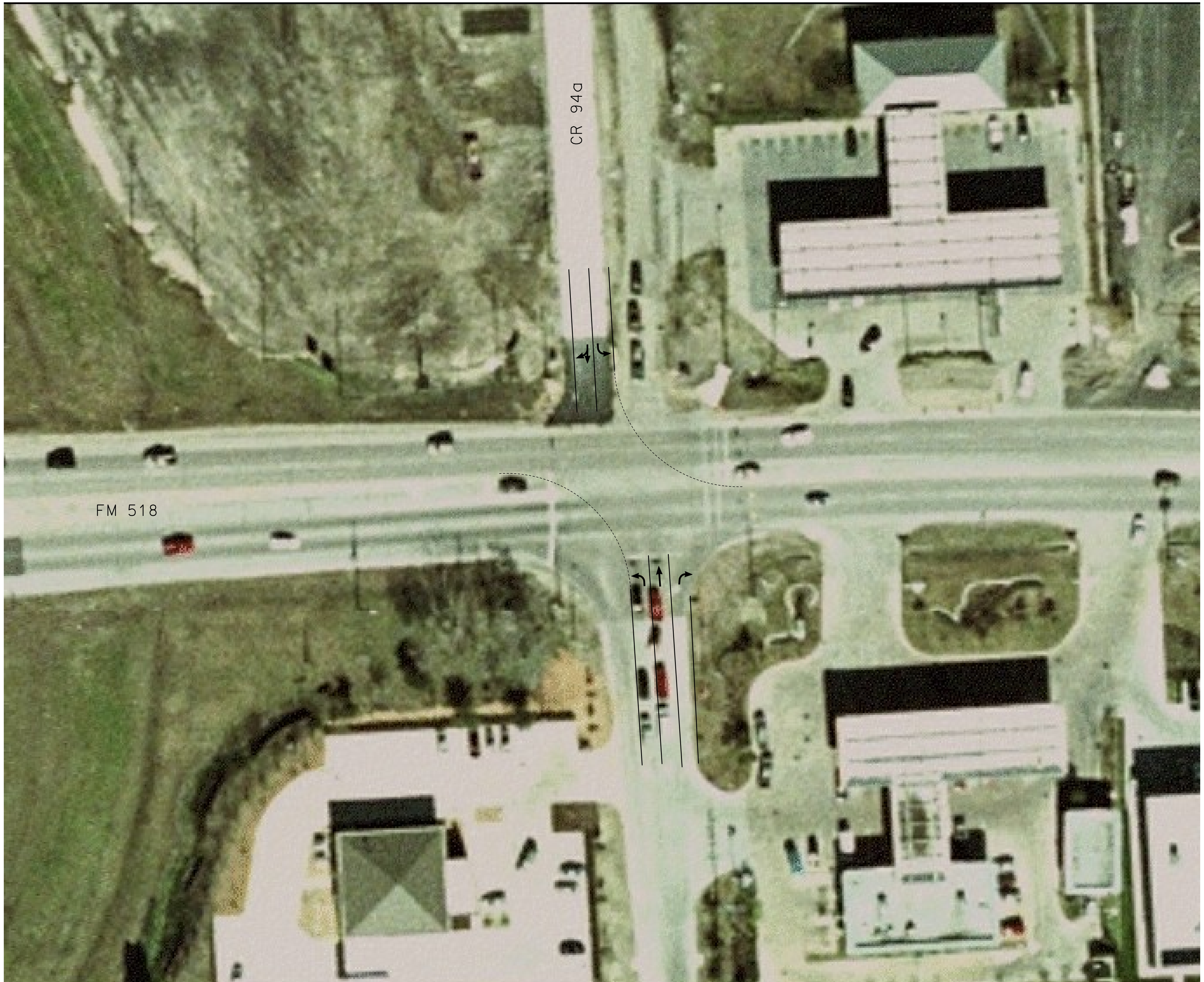
3



Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT CR 94	JOB NO: 063591700
CK'D BY: KJS		FILE NAME:
SCALE: 1"= 60'		FILE NO.:
DATE: 07/26/2004	APPROVED BY:	SHT NO: –

Silverlake Village @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound and Shouthbound Re-Striping						
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	5	$16.00	$80.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	5	$90.00	$450.00
XXX	XXX	Signal Timing	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	5	$50.00	$250.00
TOTALS						$5,780.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.10	$5,000.00	$500.00
SUBTOTAL						$6,280.00
MOBILIZATION (10%)			LS	12%		$753.60
SUBTOTAL 2						$7,033.60
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,406.72
GRAND TOTAL						**$8,440.32**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT WALMART	JOB NO: 063591700
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SCALE: 1"= 60'		FILE NO:
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Wal-Mart (Pearland) @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound and Southbound Re-Striping						
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	4	$16.00	$64.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	4	$90.00	$360.00
XXX	XXX	Signal Timing	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
TOTALS						$5,624.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.10	$5,000.00	$500.00
SUBTOTAL						$6,124.00
MOBILIZATION (10%)			LS	10%		$734.88
SUBTOTAL 2						$6,858.88
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,371.78
GRAND TOTAL						**$8,230.66**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION:	JOB NO: 063591700
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CR 94/Home Depot @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound and Southbound Re-Striping						
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	5	$16.00	$80.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	5	$90.00	$450.00
XXX	XXX	Signal Timing	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	5	$50.00	$250.00
TOTALS						$5,780.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.10	$5,000.00	$500.00
SUBTOTAL						$6,280.00
MOBILIZATION (10%)			LS	10%		$753.60
SUBTOTAL 2						$7,033.60
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,406.72
GRAND TOTAL						**$8,440.32**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT CULLEN	JOB NO: 063591700
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FM 865 Cullen @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound and Southbound Re-Striping						
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	2	$16.00	$32.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	2	$90.00	$180.00
XXX	XXX	Signal Timing	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
TOTALS						$5,312.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.10	$5,000.00	$500.00
SUBTOTAL						$5,812.00
MOBILIZATION (10%)			LS	10%		$697.44
SUBTOTAL 2						$6,509.44
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,301.89
GRAND TOTAL						**$7,811.33**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT FM 1128 (CULLEN)	JOB NO: 063591700
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DATE: 07/26/2004	APPROVED BY:	SHT NO: —

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FM 1128 @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound Right Turn Lane						
110	501	EXCAVATION (RDWY)	CY	100	$4.00	$400.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	150	$5.00	$750.00
360	528	CONC PAV (JOINT REINF)(6")	SY	150	$28.00	$4,200.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	50	$4.50	$225.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	3	$250.00	$750.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
TOTALS						$11,325.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$13,825.00
MOBILIZATION (10%)			LS	12%		$1,659.00
SUBTOTAL 2						$15,484.00
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,096.80
GRAND TOTAL						**$18,580.80**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT HARKEY / ODAY	JOB NO: 063591700
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Harkey/O'Day @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound Left Turn Lane						
110	501	EXCAVATION (RDWY)	CY	20	$3.00	$60.00
132	503	EMBANK (DENS CONT)(TY A)(CL 3)	CY	15	$4.00	$60.00
251	683	REWORK BASE MATRL (TY B)(CL 2)	SY	70	$5.00	$350.00
432	501	RIPRAP (CONC)(CL B)	CY	10	$28.00	$280.00
529	502	CURB & GUTTER (TY II)	LF	500	$10.00	$5,000.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	4	$90.00	$360.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	325	$4.50	$1,462.50
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
TOTALS						$12,772.50
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$15,272.50
MOBILIZATION (10%)			LS	12%		$1,832.70
SUBTOTAL 2						$17,105.20
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,421.04
GRAND TOTAL						**$20,526.24**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT MCLEAN	JOB NO: 063591700
CK'D BY: KJS		FILE NAME:
SCALE:		FILE NO:

ED: 07/26/2004 11:01:04 AM
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Halbert/McLean @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound and Southbound Re-Striping						
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	2	$16.00	$32.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	2	$90.00	$180.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
TOTALS						$5,412.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.10	$5,000.00	$500.00
SUBTOTAL						$5,912.00
MOBILIZATION (10%)			LS	10%		$709.44
SUBTOTAL 2						$6,621.44
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,324.29
GRAND TOTAL						**$7,945.73**

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12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT S.H. 35	JOB NO: 063591700
CKD BY: KJS		FILE NAME:
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SH 35 @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Westbound Right Turn Lane with Curb and Gutter						
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	300	$4.50	$1,350.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	1	$250.00	$250.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
104	513	REMOV CONC (CURB & GUTTER)	LF	250	$3.00	$750.00
110	501	EXCAVATION (RDWY)	CY	110	$4.00	$440.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	115	$5.00	$575.00
360	528	CONC PAV (JOINT REINF)(6")	SY	115	$28.00	$3,220.00
529	502	CURB & GUTTER (TY II)	LF	200	$10.00	$2,000.00
TOTALS						$13,685.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.25	$5,000.00	$1,250.00
SUBTOTAL						$14,935.00
MOBILIZATION (10%)			LS	10%		$1,792.20
SUBTOTAL 2						$16,727.20
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,345.44
GRAND TOTAL						**$20,072.64**

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PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT OLDALVIN	JOB NO: 063591700
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SCALE: 1"= 60'		FILE NO.:
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Old Alvin @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Westbound Right Turn Lane with Curb and Gutter						
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	300	$4.50	$1,350.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	2	$250.00	$500.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
104	513	REMOV CONC (CURB & GUTTER)	LF	150	$3.00	$450.00
110	501	EXCAVATION (RDWY)	CY	55	$4.00	$220.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	90	$5.00	$450.00
360	528	CONC PAV (JOINT REINF)(6")	SY	90	$28.00	$2,520.00
529	502	CURB & GUTTER (TY II)	LF	150	$10.00	$1,500.00
TOTALS						$7,090.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.25	$5,000.00	$1,250.00
SUBTOTAL						$8,340.00
MOBILIZATION (10%)			LS	10%		$1,000.80
SUBTOTAL 2						$9,340.80
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,868.16
GRAND TOTAL						**$11,208.96**

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Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT PEARLAND PARKWAY	JOB NO: 063591700
CKD BY: KJS		FILE NAME:
SCALE: 1"= 60'		FILE NO:
DATE: 07/26/2004	APPROVED BY:	SHT NO: –

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Pearland Parkway @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Westbound Right Turn Lane with Curb and Gutter						
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	300	$4.50	$1,350.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	2	$250.00	$500.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
104	513	REMOV CONC (CURB & GUTTER)	LF	250	$3.00	$750.00
110	501	EXCAVATION (RDWY)	CY	115	$4.00	$460.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	325	$5.00	$1,625.00
360	528	CONC PAV (JOINT REINF)(6")	SY	275	$28.00	$7,700.00
529	502	CURB & GUTTER (TY II)	LF	250	$10.00	$2,500.00
TOTALS						$14,985.00
Eastbound Right Turn Lane with Curb and Gutter						
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	300	$4.50	$1,350.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	2	$250.00	$500.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
104	513	REMOV CONC (CURB & GUTTER)	LF	250	$3.00	$750.00
110	501	EXCAVATION (RDWY)	CY	115	$4.00	$460.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	325	$5.00	$1,625.00
360	528	CONC PAV (JOINT REINF)(6")	SY	275	$28.00	$7,700.00
529	502	CURB & GUTTER (TY II)	LF	250	$10.00	$2,500.00
TOTALS						$14,985.00

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Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT LIBERTY	JOB NO: 063591700
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Liberty/Country Club @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Westbound Right Turn Lane with Curb and Gutter and Re-strip Northboun and Southbound						
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	250	$4.50	$1,125.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	4	$250.00	$1,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
104	513	REMOV CONC (CURB & GUTTER)	LF	250	$3.00	$750.00
110	501	EXCAVATION (RDWY)	CY	150	$4.00	$600.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	350	$5.00	$1,750.00
360	528	CONC PAV (JOINT REINF)(6")	SY	325	$28.00	$9,100.00
529	502	CURB & GUTTER (TY II)	LF	250	$10.00	$2,500.00
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	2	$16.00	$32.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	2	$90.00	$180.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
TOTALS						$22,437.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.25	$5,000.00	$1,250.00
SUBTOTAL						$23,687.00
MOBILIZATION (10%)			LS	10%		$2,842.44
SUBTOTAL 2						$26,529.44
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$5,305.89
GRAND TOTAL						**$31,835.33**

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12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements

DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT FM 2351 (EDGEWOOD)	JOB NO: 063591700
CK'D BY: KJS		FILE NAME:
SCALE: 1"= 60'		FILE NO.:
DATE: 07/26/2004	APPROVED BY:	SHT NO: –

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FM 2351/Edgewood @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
South East Bound Right Turn Lane						
104	513	REMOV CONC (CURB & GUTTER)	LF	200	$3.00	$600.00
110	501	EXCAVATION (RDWY)	CY	95	$4.00	$380.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	400	$5.00	$2,000.00
360	528	CONC PAV (JOINT REINF)(6")	SY	350	$28.00	$9,800.00
529	502	CURB & GUTTER (TY II)	LF	200	$10.00	$2,000.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	50	$4.50	$225.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	1	$250.00	$250.00
TOTALS						$15,255.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$17,755.00
MOBILIZATION (10%)			LS	10%		$1,775.50
SUBTOTAL 2						$19,530.50
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,906.10
GRAND TOTAL						**$23,436.60**

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT WHISPERING PINES	JOB NO: 063591700
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Whispering Pines @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Southwest Bound Left Turn Lane						
110	501	EXCAVATION (RDWY)	CY	200	$3.00	$600.00
132	503	EMBANK (DENS CONT)(TY A)(CL 3)	CY	15	$4.00	$60.00
251	683	REWORK BASE MATRL (TY B)(CL 2)	SY	200	$5.00	$1,000.00
432	501	RIPRAP (CONC)(CL B)	CY	10	$28.00	$280.00
529	502	CURB & GUTTER (TY II)	LF	200	$10.00	$2,000.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	2	$90.00	$180.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	150	$4.50	$675.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
TOTALS						$4,895.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.25	$5,000.00	$1,250.00
SUBTOTAL						$6,145.00
MOBILIZATION (10%)			LS	10%		$614.50
SUBTOTAL 2						$6,759.50
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$1,351.90
GRAND TOTAL						**$8,111.40**

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12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT FM 528 (PARKWOOD)	JOB NO: 063591700
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FM 528 Parkwood @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Southwest Bound Left Turn Lane						
110	501	EXCAVATION (RDWY)	CY	20	$3.00	$60.00
132	503	EMBANK (DENS CONT)(TY A)(CL 3)	CY	15	$4.00	$60.00
251	683	REWORK BASE MATRL (TY B)(CL 2)	SY	150	$5.00	$750.00
432	501	RIPRAP (CONC)(CL B)	CY	10	$28.00	$280.00
529	502	CURB & GUTTER (TY II)	LF	350	$10.00	$3,500.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	2	$90.00	$180.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	700	$4.50	$3,150.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	2	$50.00	$100.00
TOTALS						$8,080.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$10,580.00
MOBILIZATION (10%)			LS	10%		$1,058.00
SUBTOTAL 2						$11,638.00
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$2,327.60
GRAND TOTAL						**$13,965.60**

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Engineering, Planning, and Environmental Consultants
12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
DRAWN BY: KJS, DMR	SHEET DESCRIPTION: FM 518 AT BAY AREA BLVD	JOB NO: 063591700
CK'D BY: KJS		FILE NAME:
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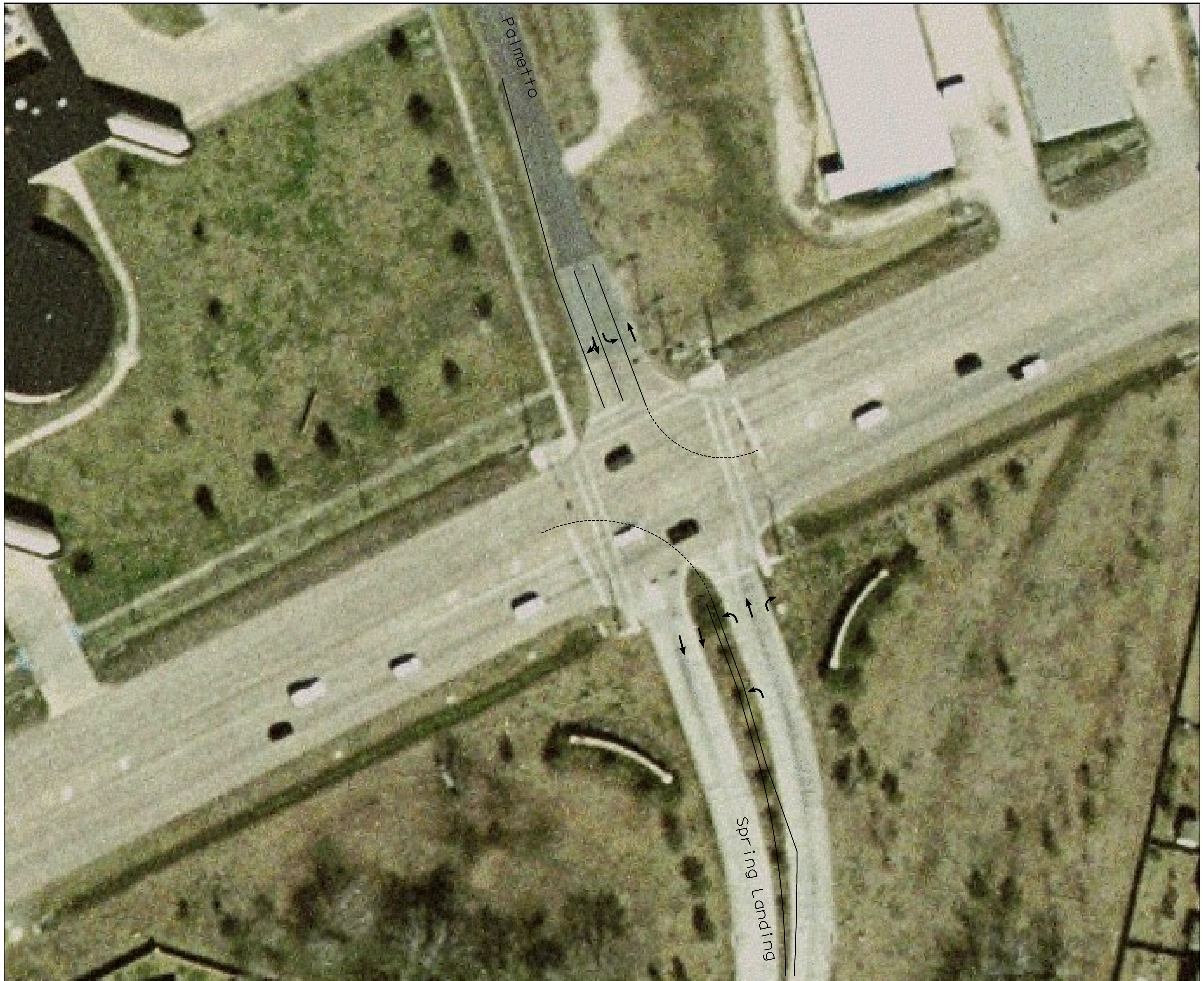
Bay Area Blvd @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
West Bound Right Turn Lane						
104	513	REMOV CONC (CURB & GUTTER)	LF	250	$3.00	$750.00
110	501	EXCAVATION (RDWY)	CY	110	$4.00	$440.00
276	526	CEM TR BS (STRGT-O)(TY D1 OR D2)(GR6)6	SY	325	$5.00	$1,625.00
360	528	CONC PAV (JOINT REINF)(6")	SY	275	$28.00	$7,700.00
529	502	CURB & GUTTER (TY II)	LF	250	$10.00	$2,500.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	250	$4.50	$1,125.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (ARROW)	EA	2	$250.00	$500.00
TOTALS						$14,640.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$17,140.00
MOBILIZATION (10%)			LS	10%		$1,714.00
SUBTOTAL 2						$18,854.00
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,770.80
GRAND TOTAL						**$22,624.80**



Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

12700 Park Central Drive, Suite 1800 Dallas, Texas 75251

PROJECT TITLE: FM 518 Short Term Improvements		
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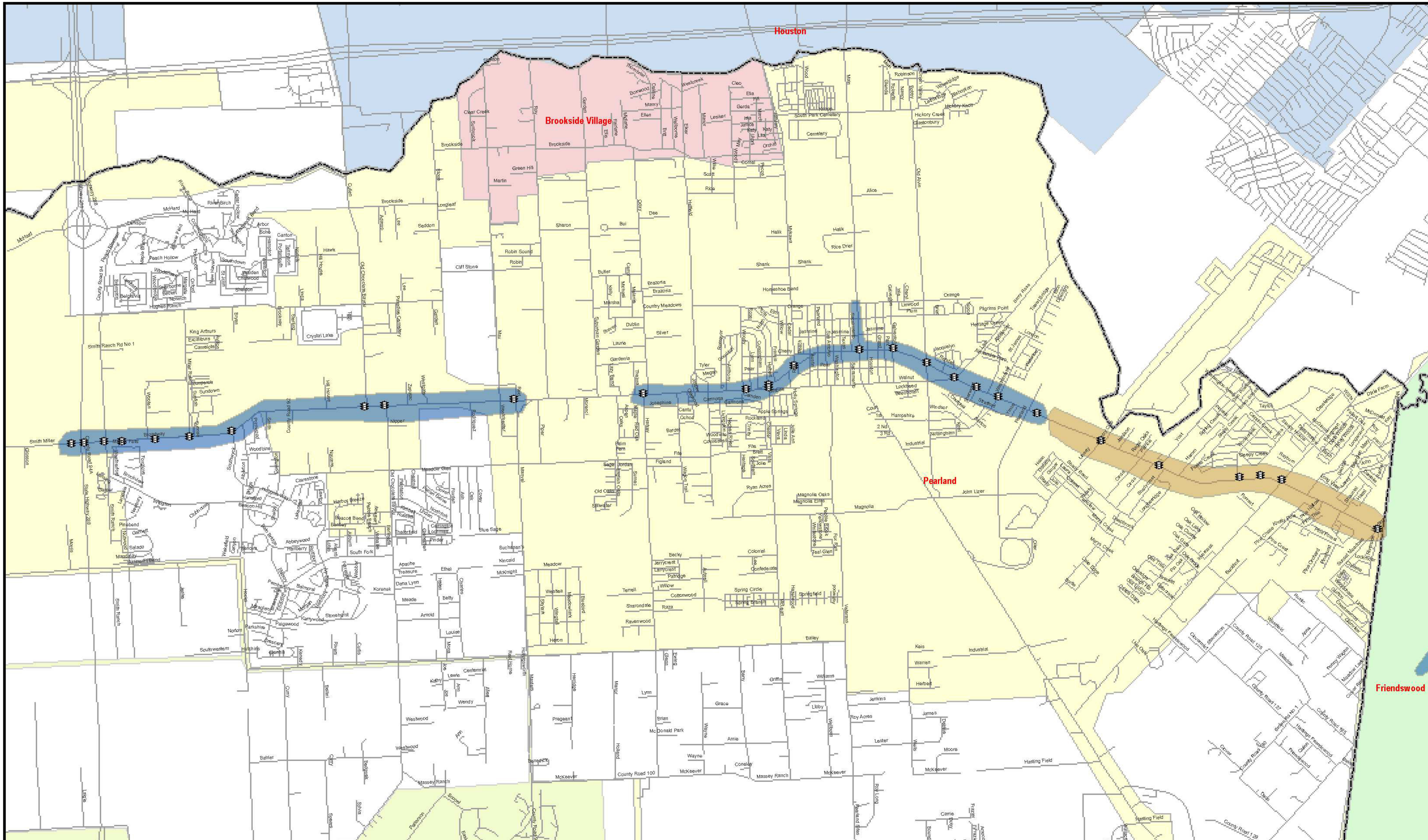
Spring Landing/Palomino @ FM 518

Item Code		Description	Unit	Estimate	Price	Total
Northbound Left Turn Lane						
110	501	EXCAVATION (RDWY)	CY	15	$3.00	$45.00
132	503	EMBANK (DENS CONT)(TY A)(CL 3)	CY	10	$4.00	$40.00
251	683	REWORK BASE MATRL (TY B)(CL 2)	SY	115	$5.00	$575.00
432	501	RIPRAP (CONC)(CL B)	CY	10	$28.00	$280.00
529	502	CURB & GUTTER (TY II)	LF	250	$10.00	$2,500.00
666	513	PAV SURF FOR MRK TYI (W) (ARROW)	EA	6	$90.00	$540.00
XXX	XXX	PAVE SURF PREP & REFL PAV MRK (SLD)	LF	500	$4.50	$2,250.00
XXX	XXX	SIGNAL TIMING	EA	1	$5,000.00	$5,000.00
XXX	XXX	REMOVE REPLACE ALUMN SIGNAGE	EA	4	$50.00	$200.00
678	521	PAV SURF FOR MRKS (BLAST CLN ARROW)	EA	4	$16.00	$64.00
TOTALS						$11,494.00
BARRICADES, SIGNS, AND TRAF HANDLE			MO	0.50	$5,000.00	$2,500.00
SUBTOTAL						$13,994.00
MOBILIZATION (10%)			LS	10%		$1,399.40
SUBTOTAL 2						$15,393.40
MISCELLANEOUS & CONTINGENCY (20%)			LS	20%		$3,078.68
GRAND TOTAL						**$18,472.08**

Appendix C
Signal System Maps



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

GUNDA CORPORATION, INC.

JACOBS

Legend

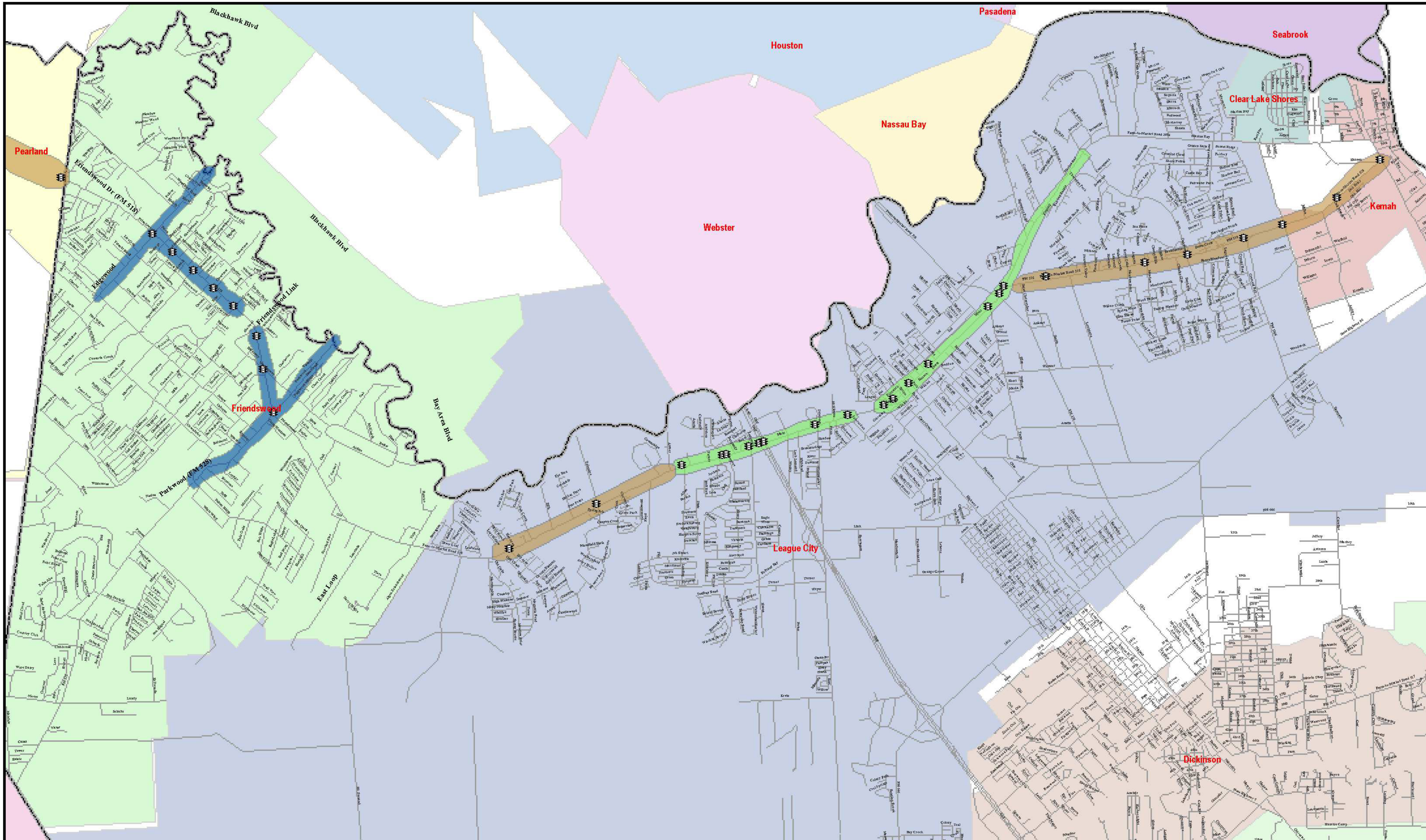
Eagle Traffic Controller

New System

Signals

Naztec Traffic Controller

SIGNAL SYSTEM



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

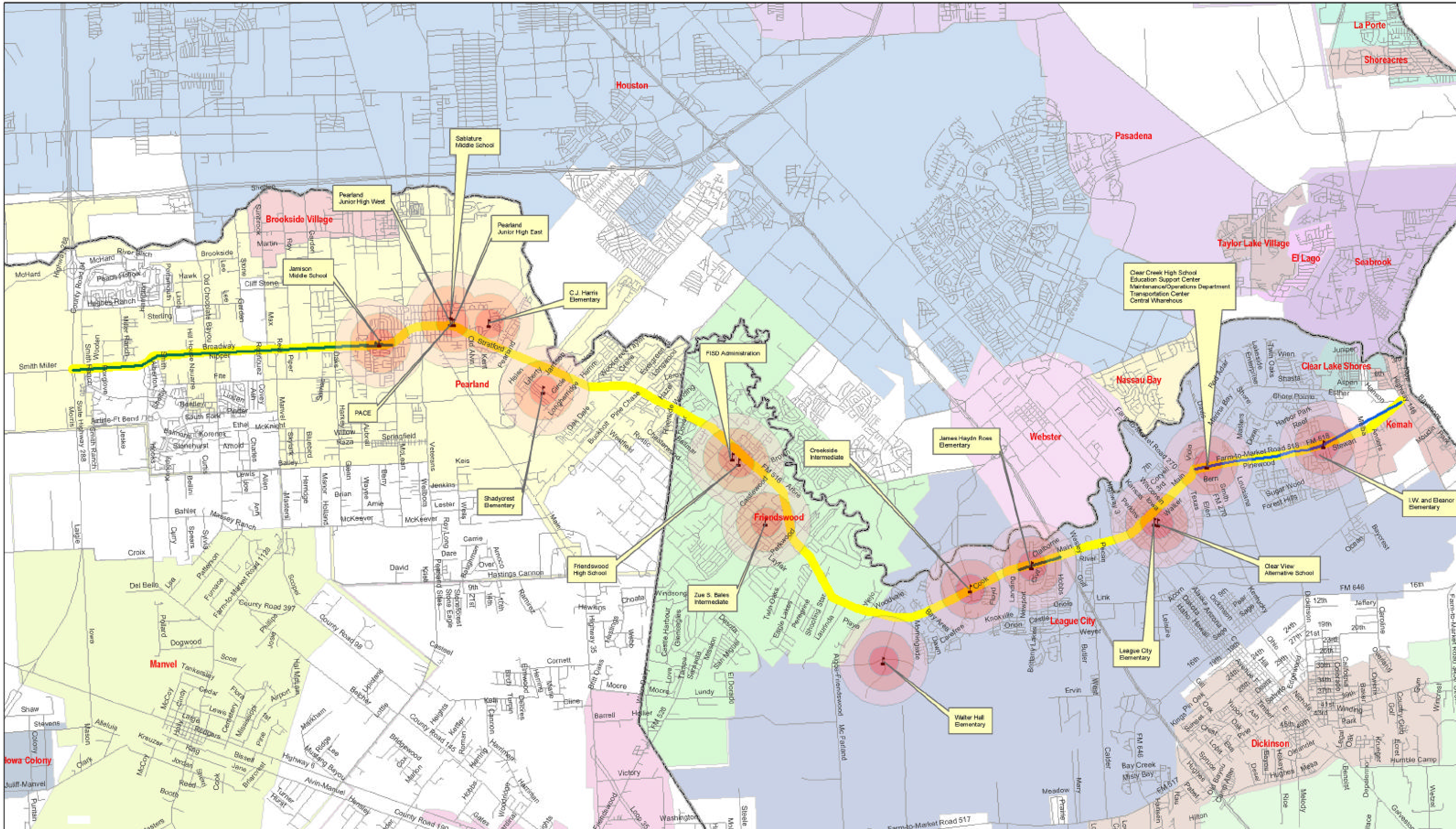
JACOBS

Legend

Eagle Traffic Controller	New System
Naztec Traffic Controller	
Signals	

SIGNAL SYSTEM

Appendix D
Medium-Term Bicycle / Pedestrian Improvements



FM 518 CORRIDOR ACCESS PLAN
Bicycle Pedestrian Improvements

Legend

- Schools
- School Buffer Walking Distance: 0.00 - 0.25; 0.25 - 0.50; 0.50 - 0.75
- Bicycle Pedestian Recomendations
- Planned Bicycle & Pedestrian Improvements
- fm518

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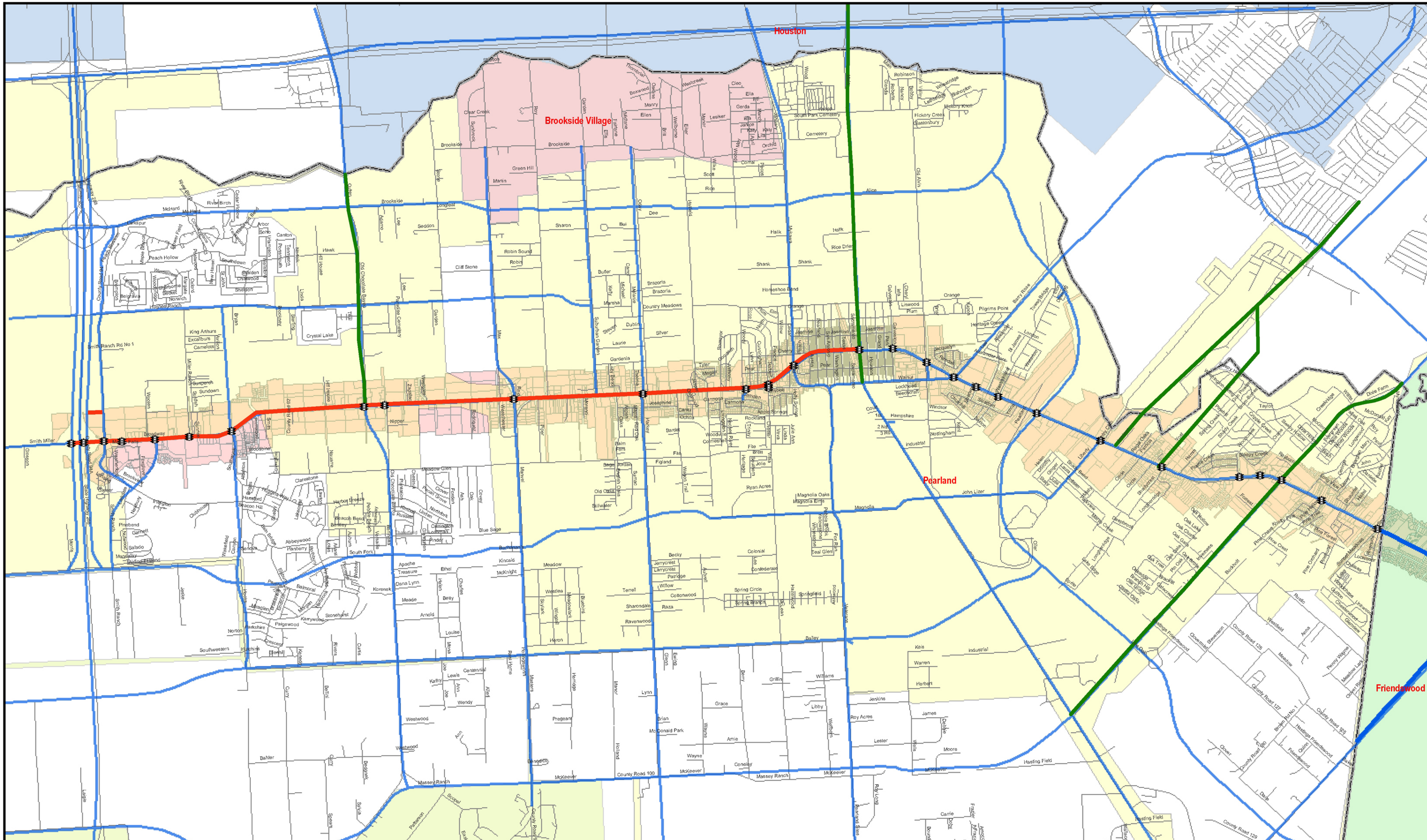
Kimley-Horn and Associates, Inc.
GUNDA CORPORATION, INC.
JACOBS
H-GAC
Texas Department of Transportation

Appendix E
Long-Term Thoroughfare Plans



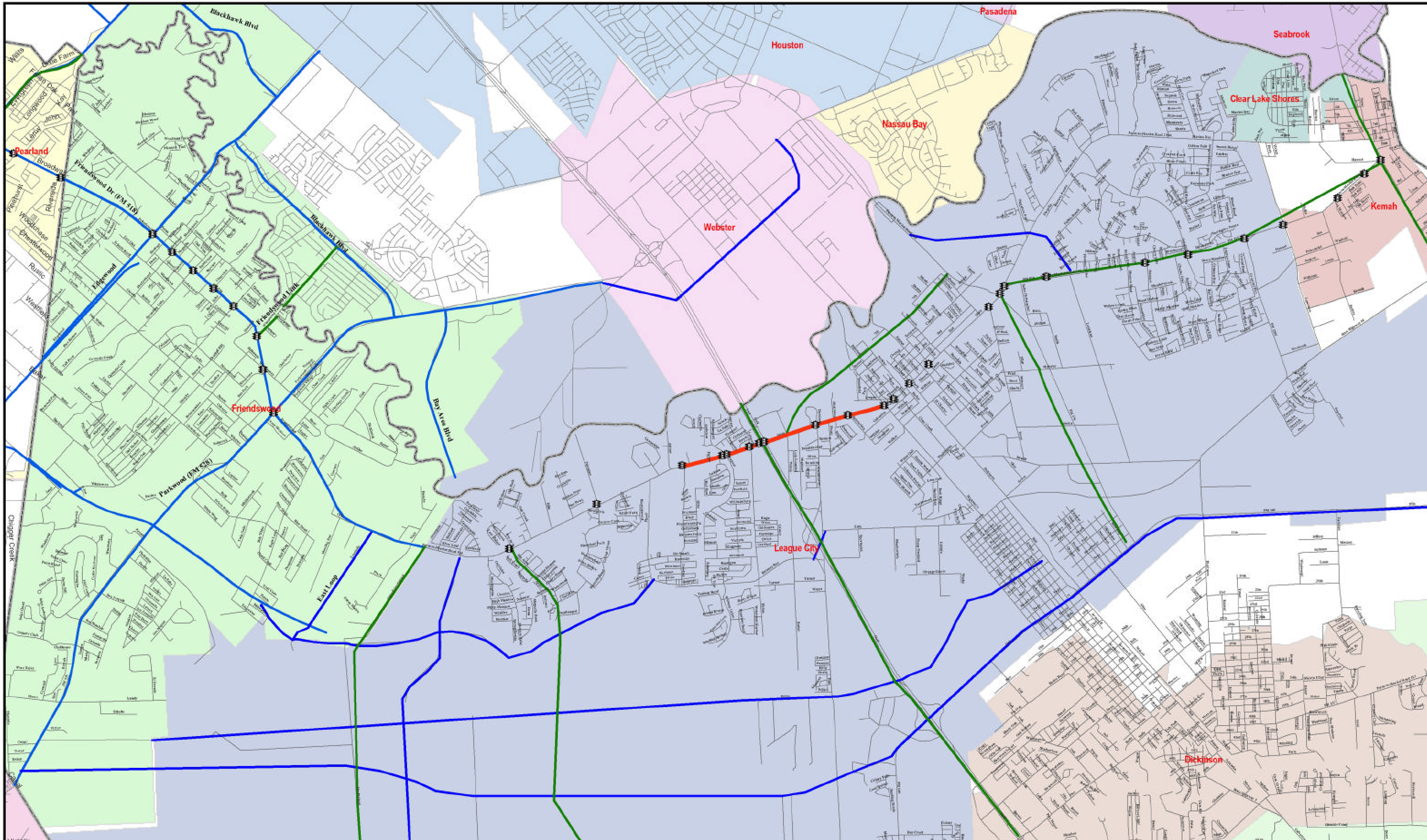
FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc. GUNDA JACOBS

Legend

- H-GAC 2022 Planned Improvements
- Signals
- KHA Thoroughfare Recomendations
- Pearland Thoroughfare Plan

LONG TERM RECOMMENDATIONS



FM 518 CORRIDOR ACCESS PLAN

Kimley-Horn and Associates, Inc.

GUNDA

JACOBS

Legend

H-GAC 2022 Planned Improvements

Signals

KHA Thoroughfare Recomendations

Pearland Thoroughfare Plan

LONG TERM RECOMMENDATIONS