US 1 Corridor Plan

Appendix A: Maps and Full Page Figures

Appendix B: Historic Resources Survey

ROCKINGHAM PLANNING COMMISSION

VHB Vanasse Hangen Brustlin, Inc.

New Hampshire DOT

November, 2011

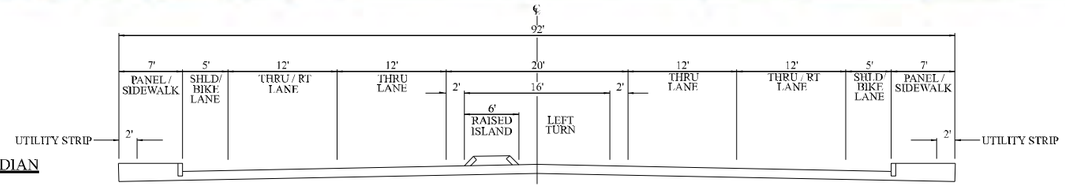
Town of Hampton
Town of Hampton Falls
Town of North Hampton
City of Portsmouth
Town of Rye
Town of Seabrook

Table of Contents

TRAFFIC VOLUMES
2002 ADT - 19,800
2022 ADT - 29,400

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND
- TRAFFIC SIGNAL
- TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-26
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure26.dgn

POTENTIAL FUTURE CONNECTIONS

ROUTE 1

SOUTH ROAD

CEDAR ROAD

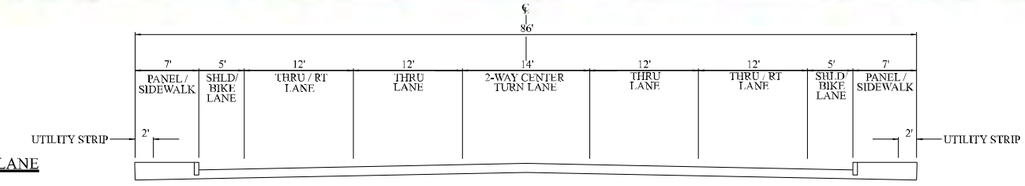
MATCH TO SHEET 26

MATCH TO SHEET 28

0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 20,000
2022 ADT - 29,700

FIVE LANE TYPICAL W/ 2-WAY CENTER TURN LANE



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-27

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure27.dgn

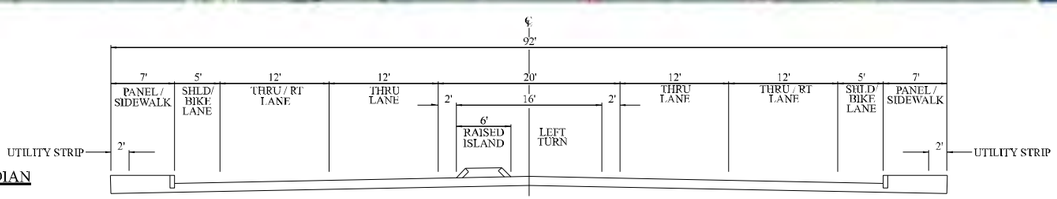
TRAFFIC VOLUMES

2002 ADT - 20,800

2022 ADT - 31,000

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

(S) TRAFFIC SIGNAL

(T) TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-28

Long Range Improvements

US Route 1
Corridor Management Study

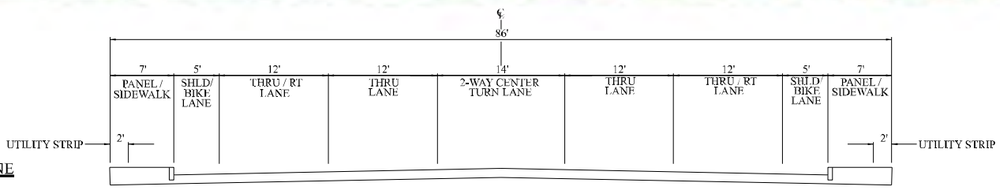
Date Created:1/23/2008 Figure28.dgn

TRAFFIC VOLUMES

2002 ADT - 17,100

2022 ADT - 25,400

FIVE LANE TYPICAL W/ 2-WAY CENTER TURN LANE



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

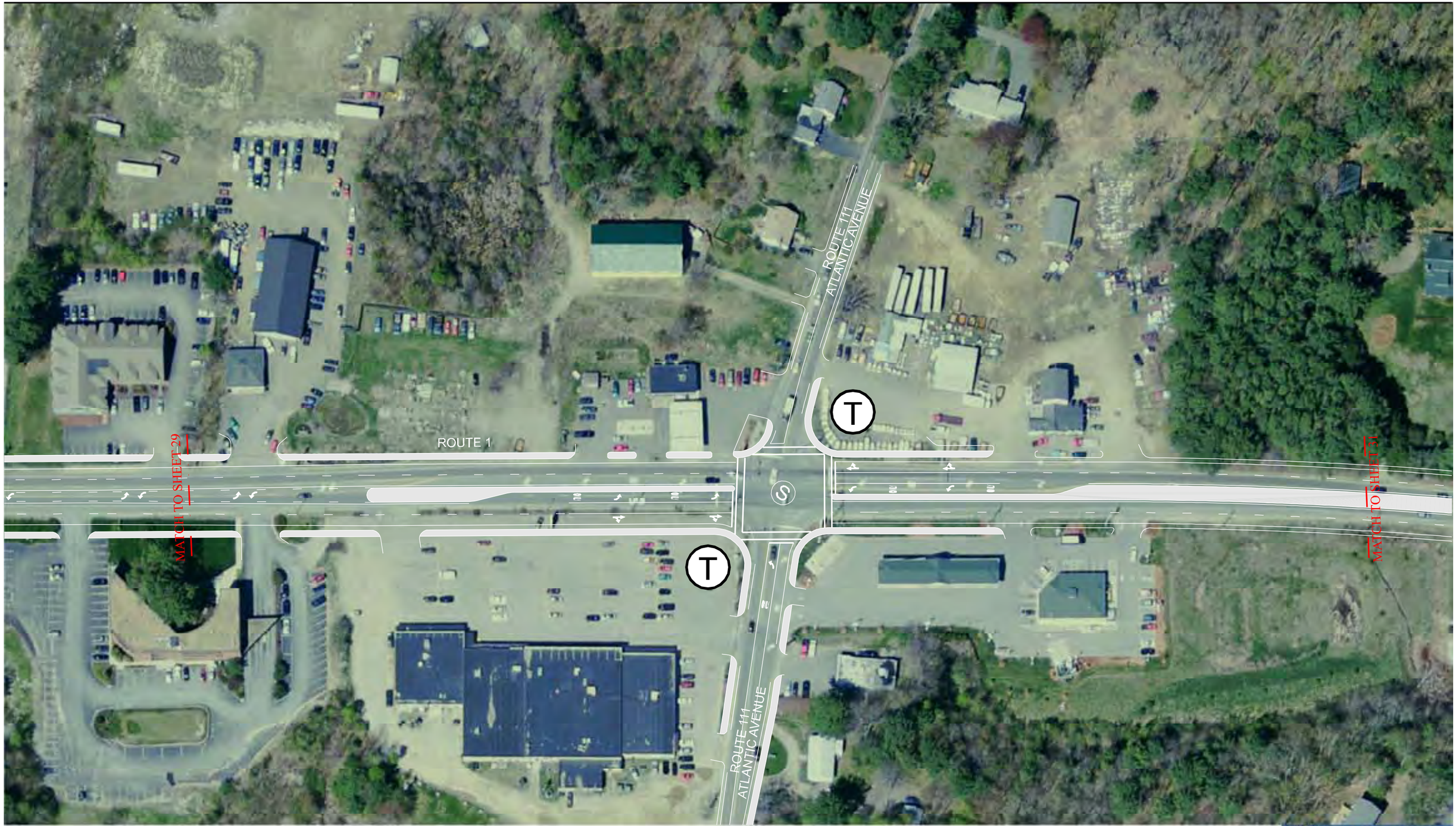
Vanasse Hangen Brustlin, Inc.

Figure 4-29

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure29.dgn



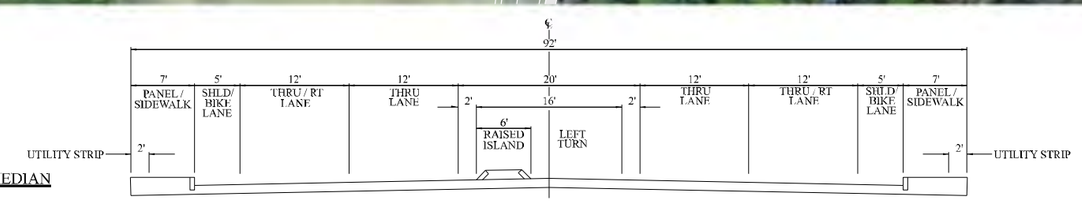
TRAFFIC VOLUMES

2002 ADT - 17,000

2022 ADT - 25,400

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

S TRAFFIC SIGNAL

T TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-30

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure30.dgn

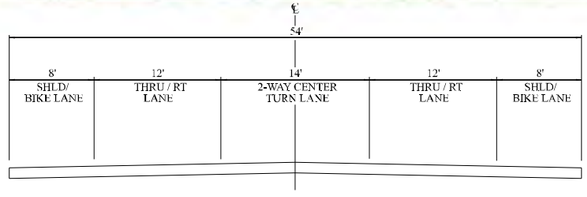
TRAFFIC VOLUMES

2002 ADT - 16,700

2022 ADT - 24,900

0 50 100 Feet

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-31

Long Range Improvements

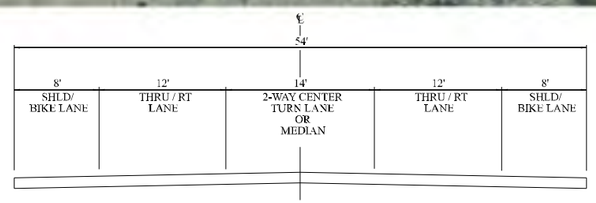
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure31.dgn

0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 16,700
2022 ADT - 24,900

THREE LANE TYPICAL



LEGEND
Ⓢ TRAFFIC SIGNAL
Ⓣ TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

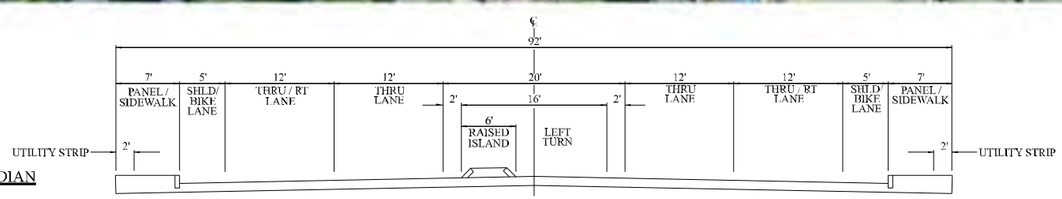
Figure 4-32
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure32.dgn

TRAFFIC VOLUMES
2002 ADT - 16,700
2022 ADT - 24,900

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND
S TRAFFIC SIGNAL
T TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-33
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure33.dgn

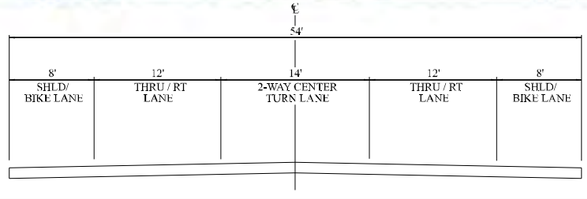
TRAFFIC VOLUMES

2002 ADT - 22,100

2022 ADT - 32,900

0 50 100 Feet

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-34

Long Range Improvements

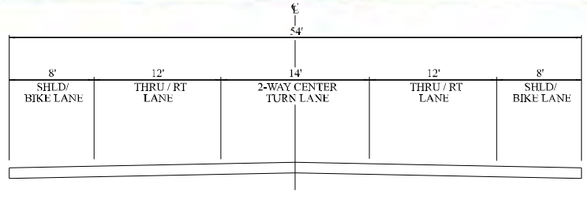
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure34.dgn

TRAFFIC VOLUMES
2002 ADT - 22,100
2022 ADT - 32,900

0 50 100 Feet

THREE LANE TYPICAL



LEGEND
Ⓢ TRAFFIC SIGNAL
Ⓣ TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-35
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure35.dgn

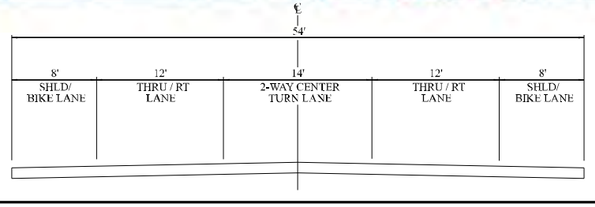
0 50 100 Feet

TRAFFIC VOLUMES

2002 ADT - 22,300

2022 ADT - 33,100

THREE LANE TYPICAL



LEGEND

S TRAFFIC SIGNAL

T TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-36

Long Range Improvements

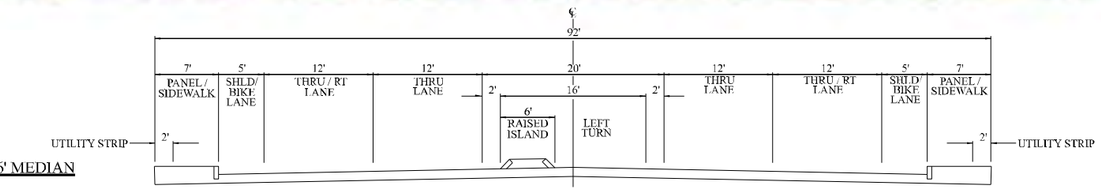
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure36.dgn

0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 22,200
2022 ADT - 33,100

FIVE LANE TYPICAL W/ 16' MEDIAN

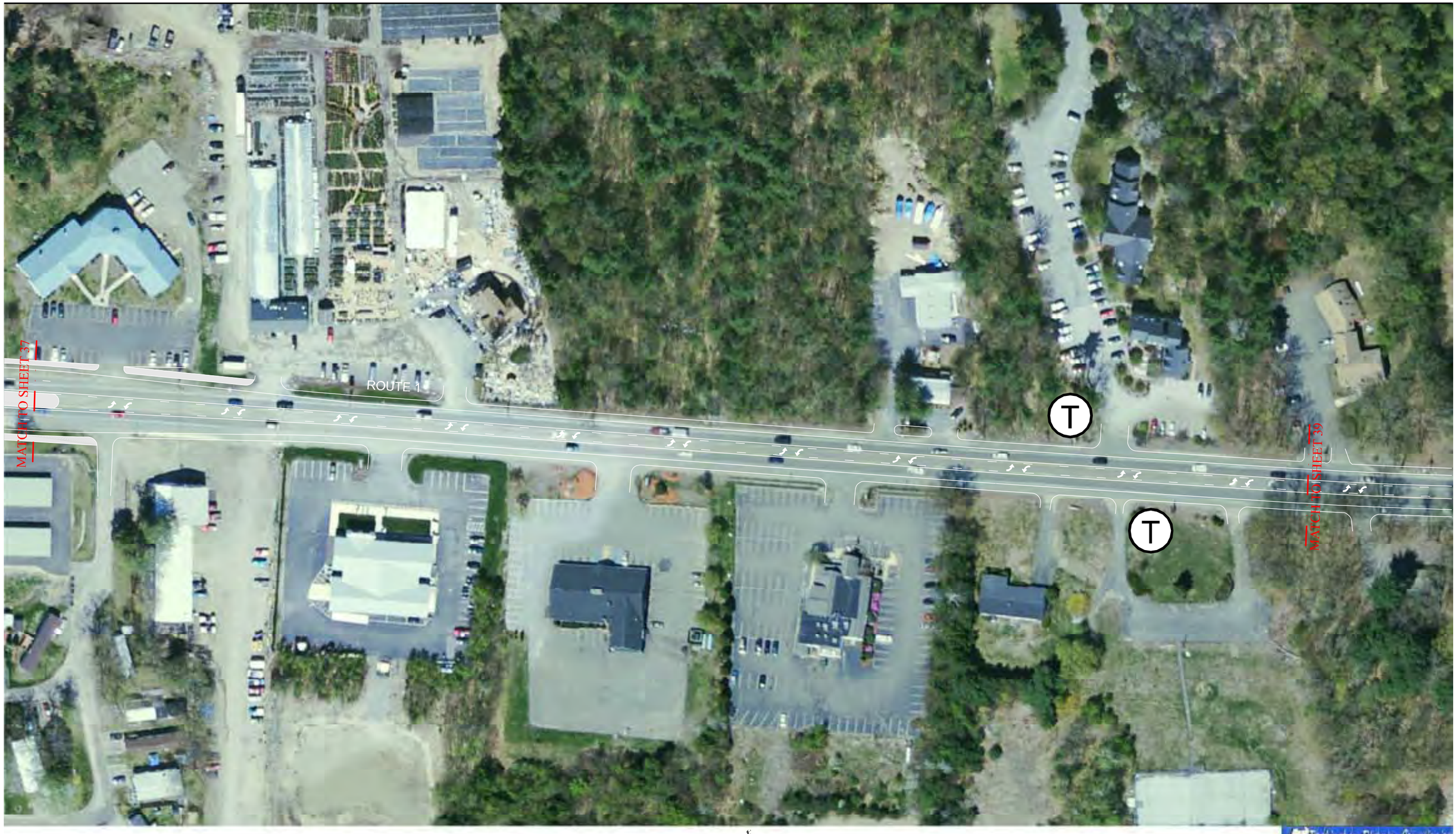


LEGEND
S TRAFFIC SIGNAL
T TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

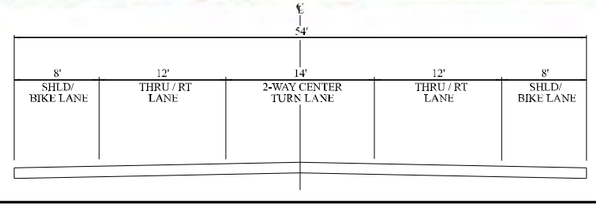
Figure 4-37
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure37.dgn



0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 22,200
2022 ADT - 33,100



THREE LANE TYPICAL

LEGEND
S TRAFFIC SIGNAL
T TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-38
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure38.dgn

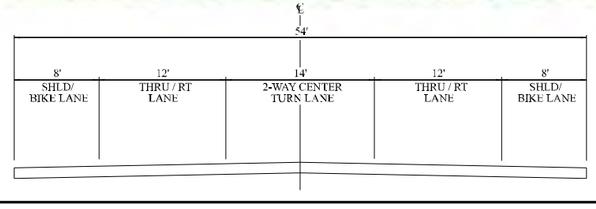
0 50 100 Feet

TRAFFIC VOLUMES

2002 ADT - 20,900

2022 ADT - 31,100

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-39

Long Range Improvements

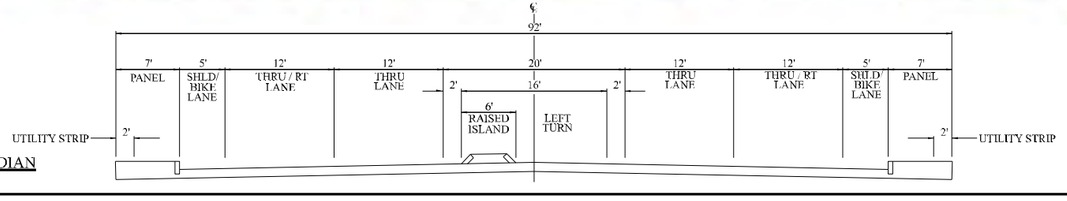
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure39.dgn

TRAFFIC VOLUMES
2002 ADT - 20,900
2022 ADT - 31,100

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND
S TRAFFIC SIGNAL
T TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-40
Long Range Improvements
US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure40.dgn

MATCH TO SHEET 40

ROUTE 1

MATCH TO SHEET 42

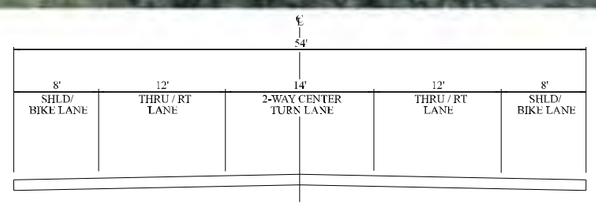
50 100 Feet

TRAFFIC VOLUMES

2002 ADT - 23,100

2022 ADT - 34,400

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-41

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure41.dgn

MATCH TO SHEET 41

MATCH TO SHEET 43

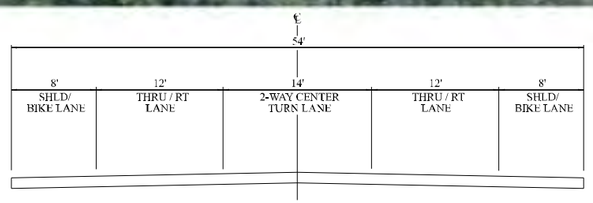
0 50 100 Feet

TRAFFIC VOLUMES

2002 ADT - 23,100

2022 ADT - 34,400

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-42

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure42.dgn

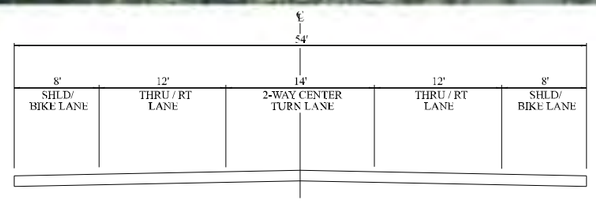
TRAFFIC VOLUMES

2002 ADT - 23,100

2022 ADT - 34,400

0 50 100 Feet

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-43

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure43.dgn

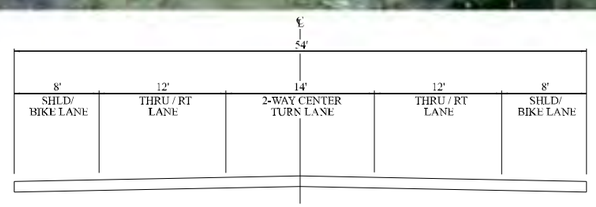
TRAFFIC VOLUMES

2002 ADT - 23,800

2022 ADT - 35,400

0 50 100 Feet

THREE LANE TYPICAL



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-44

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure44.dgn

WIDE AREA VIEW

MATCH TO SHEET 44

MATCH TO SHEET 46

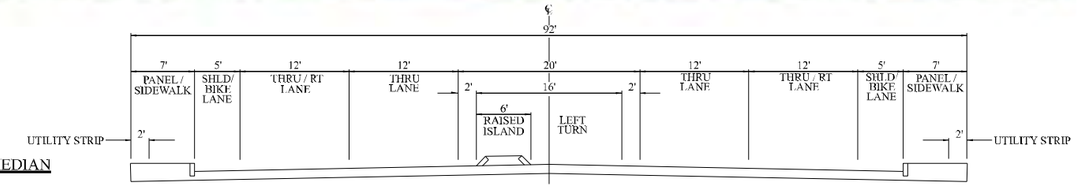
0 50 100 Feet

TRAFFIC VOLUMES

2002 ADT - 23,800

2022 ADT - 35,400

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

Vanasse Hangen Brustlin, Inc.

Figure 4-45

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure45.dgn

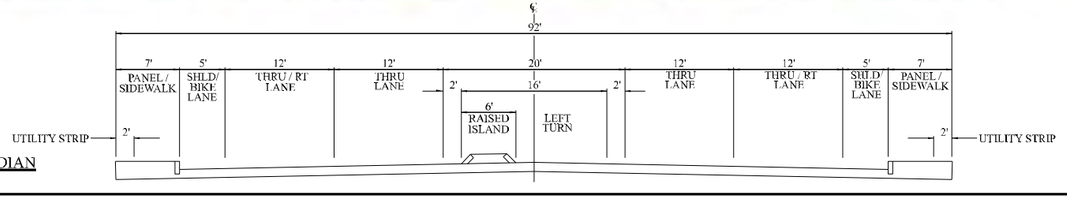
TRAFFIC VOLUMES

2002 ADT - 23,300

2022 ADT - 34,600

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission

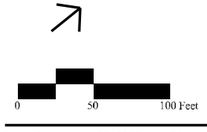
Vanasse Hangen Brustlin, Inc.

Figure 4-46

Long Range Improvements

US Route 1
Corridor Management Study

Date Created:1/23/2008 Figure46.dgn

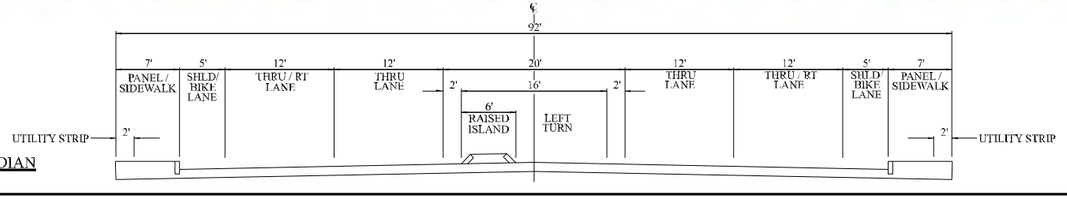


TRAFFIC VOLUMES

2002 ADT - 23,800

2022 ADT - 35,300

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

(S) TRAFFIC SIGNAL

(T) TRANSIT STOP

Rockingham Planning Commission

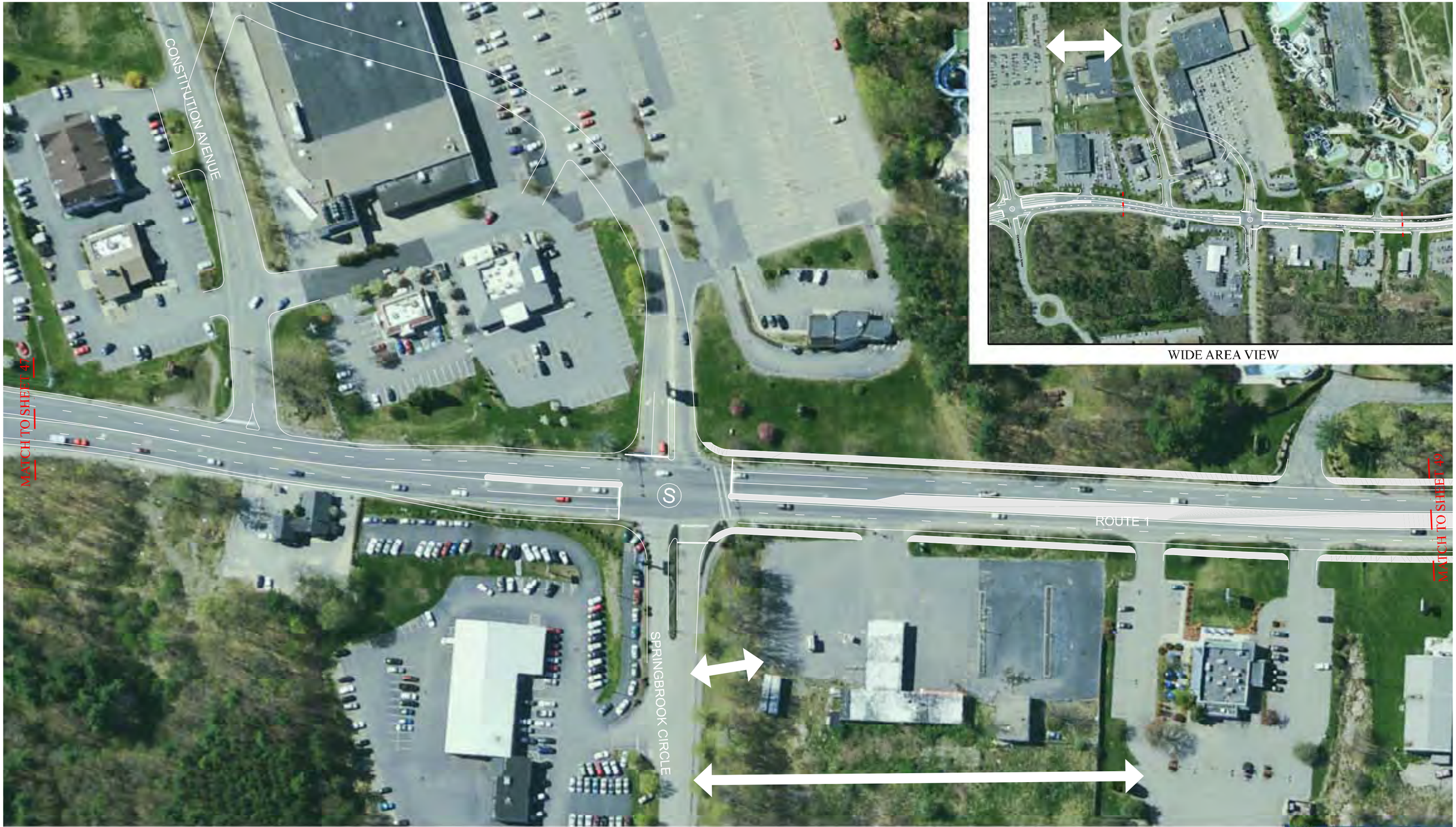
Vanasse Hangen Brustlin, Inc.

Figure 4-47

Long Range Improvements

US Route 1
Corridor Management Study

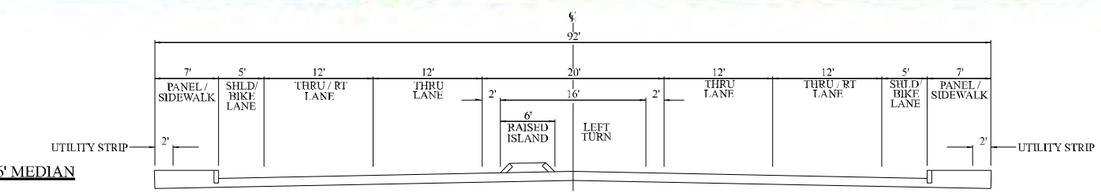
Date Created:1/23/2008 Figure47.dgn



WIDE AREA VIEW

0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 23,800
2022 ADT - 35,300



FIVE LANE TYPICAL W/ 16' MEDIAN

LEGEND
S TRAFFIC SIGNAL
T TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc

Figure 4-48

Long Range Improvements

US Route 1
Corridor Management Study

MATCH TO SHEET 48

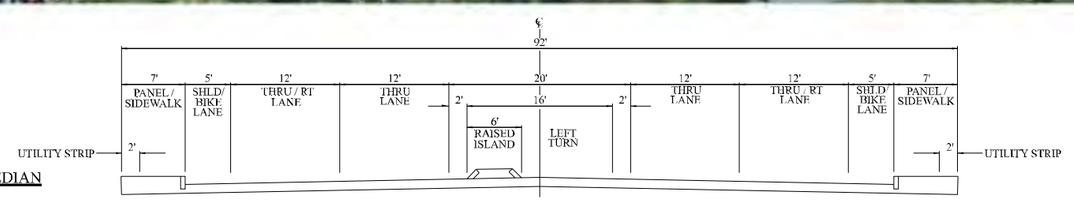
MATCH TO SHEET 50

Potential Future Signal location

0 50 100 Feet

TRAFFIC VOLUMES
2002 ADT - 23,800
2022 ADT - 35,300

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND
(S) TRAFFIC SIGNAL
(T) TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-49
Long Range Improvements
US Route 1
Corridor Management Study

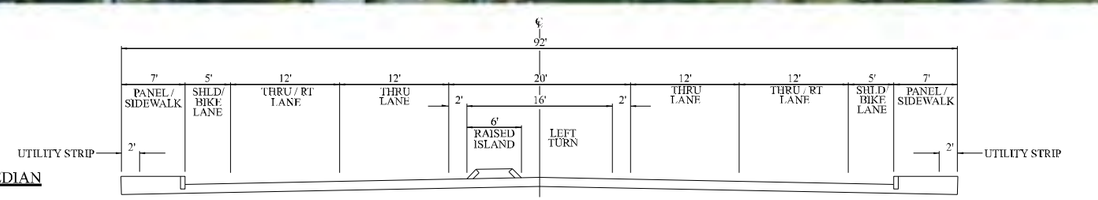
Date Created:1/24/2008 Figure49.dgn

MATCH TO SHEET 49

TRAFFIC VOLUMES
2002 ADT - 23,800
2022 ADT - 35,300

0 50 100 Feet

FIVE LANE TYPICAL W/ 16' MEDIAN



LEGEND

Ⓢ TRAFFIC SIGNAL

Ⓣ TRANSIT STOP

Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-50

Long Range Improvements

US Route 1
Corridor Management Study

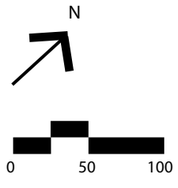
Date Created:1/24/2008 Figure50.dgn

Decorative Lighting
- *Should include shields from light impact on adjacent properties*
- *Could be traditional, colonial, or contemporary style*

New Park Area
- *Remove Existing section of Kensington Road*
- *Re-establish access to existing properties.*
- *Establish open, park-like space.*

Landscaped Medians
- *Use ornamental trees to provide visual separation of lanes.*
- *Augment landscape with salt and drought tolerant perennials and grasses.*
- *Where median is less than 5' wide, use hard surface such as textured concrete or granite cobbles.*

Street Trees
- *Preserve existing mature trees.*
- *Plant new street trees to fill in gaps on both sides of Route 1 , Route 88 and Lincoln Avenue.*
- *Species may include:*
  - *Red Maple*
  - *Sugar Maple*
  - *Heritage River Birch*
  - *Honey Locust*
  - *Sycamore*
  - *Red Oak*
  - *Chinese Elm*
  - *American Elm Cultivars*
  - *Linden*



Rockingham Planning Commission
Vanasse Hangen Brustlin, Inc.

Figure 4-54
Streetscape Recommendations

US Route 1
Corridor Management Study

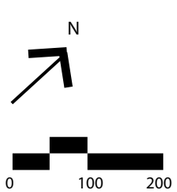
Decorative Lighting
- *Should include shields from light impact on adjacent properties*
- *Could be traditional, colonial, or contemporary style.*

Streetscape
- *Establish a vocabulary of street furnishings including lighting, benches, bollards, tree grates and trash receptacals.*
- *Consider establishment of a facade improvement revolving loan fund to improve building appearance.*
- *Consider amending signage regulations for the Route 1 corridor to establish reasonable requirements and controls on signage.*

"Bump Out" Area
- *Pavement narrows to mark pedestrian crossing.*
- *Use contrasting pavement for crosswalk.*
- *Provide additional landscaping to visually narrow the road and calm traffic.*

Sidewalk
- *Provide enhanced sidewalk.*
- *Consider use of concrete or other color-contrasting material.*
- *Consider using brick , stone or pavers to create contrasting pattern.*

Street Trees
- *Plant new street trees using tree grates to preserve sidewalk width.*
- *Use columnar or fastigiate varieties. Species may include:*
  - *Red Maple 'Armstrong'*
  - *Sugar Maple 'Monumentale'*
  - *Sycamore 'Columnare'*
  - *English Oak 'Fastigiata'*
  - *Linden 'Fastigiata'*
  - *Flowering Pear 'Capital'*



Vanasse Hangen Brustlin, Inc.

Figure 4-55

Streetscape Recommendations

US Route 1
Corridor Management Study