

CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



CONDITION INSPECTION
FOR THE
MILFORD STATION

GENERAL RECOMMENDATION 2

**CONN. DEPT OF TRANSPORTATION
STATION INSPECTION**

INSPECTION RATING SCALE

The following rating scale is used for inspections:

- 1- Totally deteriorated, or in failed condition.
- 2- Serious deterioration, or not functioning as originally designed.
- 3- Minor deterioration, but functioning as originally designed.
- 4- New condition. No deterioration.
- 5- Not applicable.
- 6- Condition and/or existence unknown.

STATION: Milford
LINE: New Haven Line
INSPECTION DATE: 8/23/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: RGW
WEATHER: Sunny, 80's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 2 OF 36

PARKING ELEMENTS

QUADRANT # I

TYPE OF SURFACE: asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 3

CONDITION OF STRIPING: 2

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 3

FENCE AND GUARDRAIL: 3

LANDSCAPE: 3

SIDEWALK: 3

CURB: 3

QUADRANT # II

TYPE OF SURFACE: asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 2

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 5
(FOR LOCATION SEE SHEET: _____)

SIGNAGE: 3

FENCE AND GUARDRAIL: 3

LANDSCAPE: 3

SIDEWALK: 5

CURB: 3

STATION: Milford
LINE: New Haven Line
INSPECTION DATE: 8/23/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: RGW
WEATHER: Sunny, 80's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PARKING ELEMENTS

QUADRANT # III

TYPE OF SURFACE: x asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 3

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 3

FENCE AND GUARDRAIL: 3

LANDSCAPE: 3

SIDEWALK: 5

CURB: 3

QUADRANT # IV

TYPE OF SURFACE: x asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 3

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 3

FENCE AND GUARDRAIL: 3

LANDSCAPE: 3

SIDEWALK: 5

CURB: 3

STATION: Milford
LINE: New Haven Line
INSPECTION DATE: 8/23/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: RGW
WEATHER: Sunny, 80's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 4 OF 36

PARKING ELEMENTS

QUADRANT # V

TYPE OF SURFACE: asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 2

CONDITION OF STRIPING: 3

CONDITION OF BASIN / DRAINS / ETC: 3
(FOR LOCATION SEE SHEET: see sketch)

SIGNAGE: 3

FENCE AND GUARDRAIL: 5

LANDSCAPE: 3

SIDEWALK: 3

CURB: 3

STATION: Milford
 LINE: New Haven
 INSPECTION DATE : January 4, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: P.M.
 WEATHER: Clear and Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 5 OF 36

PLATFORM --- LIGHTING

Span Number	Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: See the Platform Service Section for remarks.

PLATFORM --- LIGHTING LEVELS (fc)

NORTHBOUND PLATFORM						
see remarks	see remarks	see remarks	see remarks	see remarks	see remarks	see remarks
SOUTHBOUND PLATFORM						

TRACKS---{ _____ }

STATION: Milford
 LINE: New Haven
 INSPECTION DATE : January 4, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: P.M.
 WEATHER: Clear and Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
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PLATFORM --- SERVICE

Voltage Rating (V)	n/a	Type of 3 phase connection		Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	n/a	Underground	n/a
Rating of Main Breaker (A)	n/a	Origin of Service		Pole	n/a	Transformer	n/a
		Code Compliant		Yes	n/a	No	n/a
Quantity of Phases	n/a	Pole Number & Street	n/a	Wire Sizes	n/a		

Remarks: The platform is under construction and has temporary feeders from the station to the platform power and lighting. A complete station renovation was underway; therefore, documentation of existing conditions is minimal.

PLATFORM --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	n/a	n/a	n/a	n/a	n/a	n/a
Main Disconnect Switch	n/a	n/a	n/a	n/a	n/a	n/a
Transformer	n/a	n/a	n/a	n/a	n/a	n/a
Receptacles	n/a	n/a	n/a	n/a	n/a	n/a
Grounding	n/a	n/a	n/a	n/a	n/a	n/a
Lighting Controls	n/a	n/a	n/a	n/a	n/a	n/a
Public Telephone	n/a	n/a	n/a	n/a	n/a	n/a
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: _____

STATION: Milford

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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INSPECTORS: Jim Connell & Dave Lang

DATE: January 4, 2002

STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

At the time of inspection, the platforms were under construction and were scheduled to have all new electrical and lighting equipment.

STATION: Milford
 LINE: New Haven
 INSPECTION DATE : January 4, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: J. Duncan & T. Abrahamson
 TIME OF INSPECTION: A.M.
 WEATHER: Clear & Cool

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 8 OF 36

PLATFORM - PLUMBING

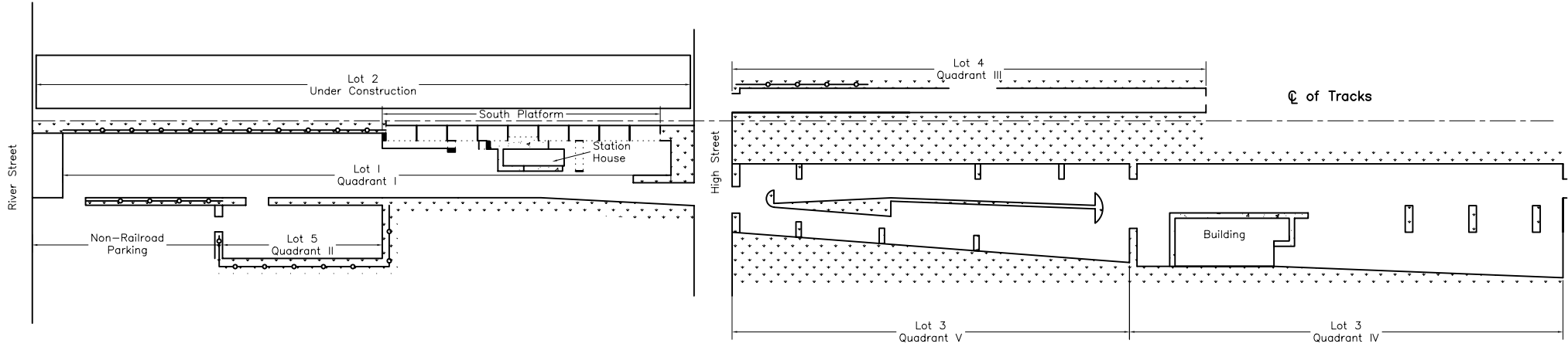
SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS	SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS
All	Gutters and downspouts are in good condition.						
	The end drain is now disconnected due to new construction						

PLATFORM - FIXTURES--N/A

SPAN #: _____
 MODEL: _____
 YEAR: _____
 MANUFACTURER: _____
 CONDITION: _____

SPAN #: _____
 MODEL: _____
 YEAR: _____
 MANUFACTURER: _____
 CONDITION: _____

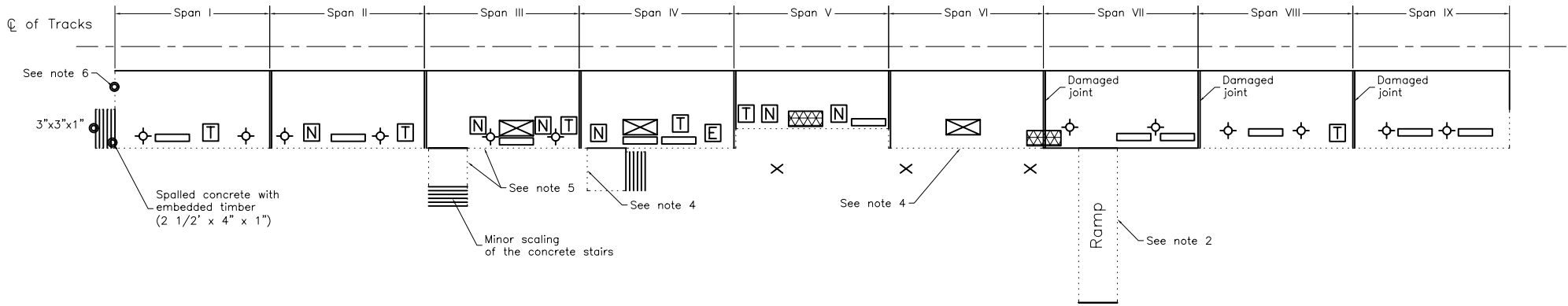
SPAN #: _____
 MODEL: _____
 YEAR: _____
 MANUFACTURER: _____
 CONDITION: _____



- Legend:
- Fence
 - Guardrail
 - Pedestrian Rail
 - Grass
 - Sidewalk

- NOTES:
1. The entire north platform was under construction during the time of inspection.
 2. Lot 2 was under construction during the time of inspection as well as parts of Lot 1 and Lot 3.
 3. Parts of the south platform was under construction during the time of our inspection.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station General Plan
Date: 8/23/02



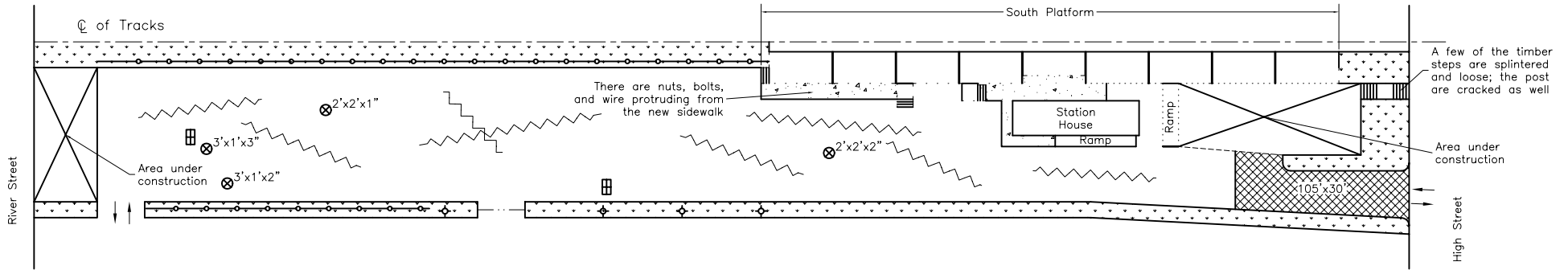
Legend:

- Pedestrian Rail
- Spalled concrete
- ◆ Light
- × Canopy Column
- ▭ Sign
- ▭ (with X) Bench
- ▭ (with T) Trash Receptacle
- ▭ (with N) Newspaper Dispenser
- ▭ (with E) Electrical Box
- Joint
- ▭ (with cross-hatch) Moveable Metal Platform

NOTES:

1. The base plates for the double tees are typically rusted and deteriorated.
2. There is spalled concrete adjacent to the railing base plates (12) which are deteriorated and rusted.
3. There is a combination of timber and metal pedestrian railing.
4. The timber railing is loose.
5. The metal railing is damaged and replaced with timber.
6. The web of the double tee is spalled with exposed rebar (6"x4"x1/2").
7. At the time of out inspection construction was being performed.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station South Platform Plan
Date: 8/23/02



A few of the timber steps are splintered and loose; the post are cracked as well

Area under construction

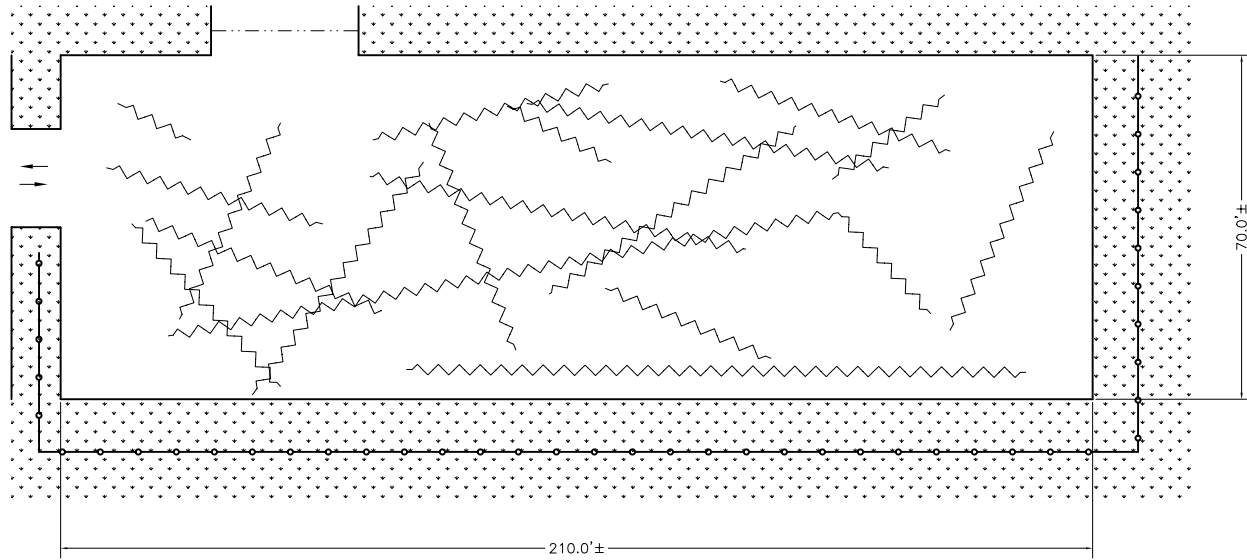
There are nuts, bolts, and wire protruding from the new sidewalk

Area under construction

- Legend:
- Fence
 - Chain
 - Pedestrian Rail
 - Crack
 - Cracked and Uneven Driving Surface
 - Grass
 - Sidewalk
 - Drain
 - Pothole
 - Light

- NOTES:
1. 10% of the surface is cracked.
 2. The striping is faded throughout the Quadrant.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station Quadrant I Plan
Date: 8/23/02



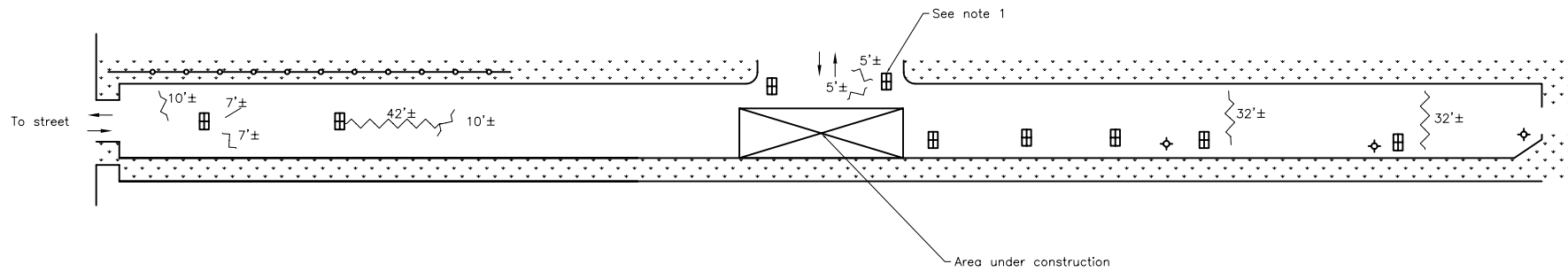
Legend:

- Fence
- Chain
- Crack
- Grass

NOTES:

1. 40% of the surface is cracked with vegetation growth.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station Quadrant II
Date: 8/23/02



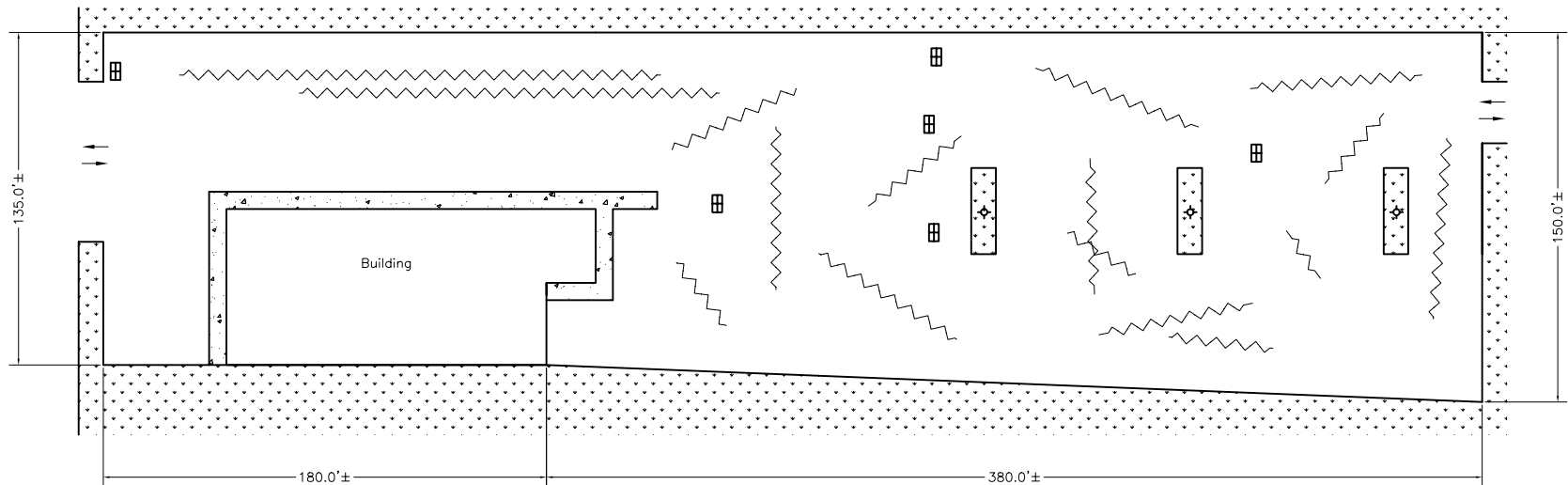
NOTES:

1. There is spalled concrete and vegetation growth adjacent to the drain.

Legend:

- Fence
- Crack
- Map Cracking
- Grass
- Light






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Connecticut Dept. of Transportation
Milford Station Quadrant III Plan
Date: 8/23/02



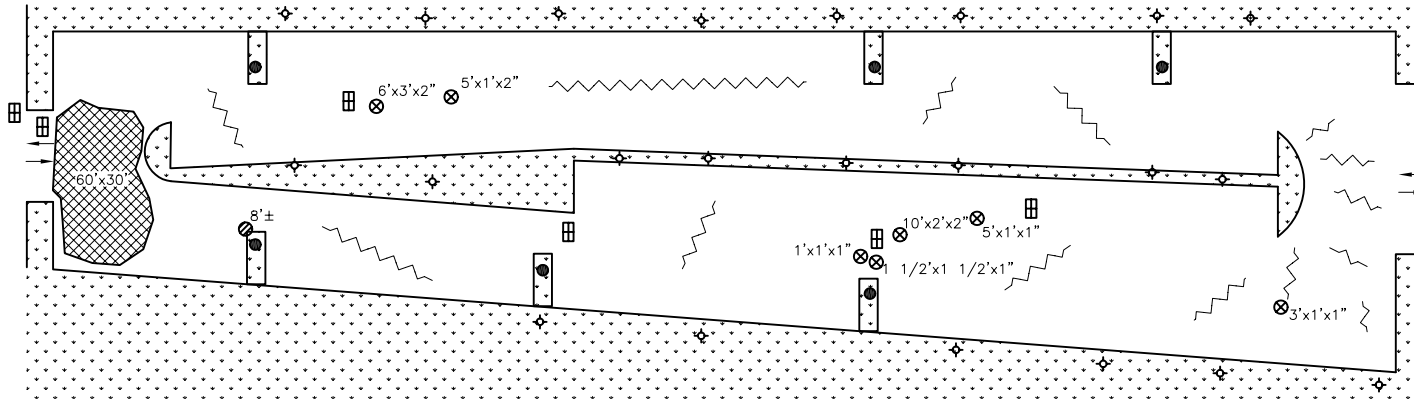
NOTES:

1. 20% of the asphalt surface is cracked with vegetation growth.

Legend:

-  Crack
-  Grass
-  Sidewalk
-  Drain
-  Light









Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station Quadrant IV Plan
Date: 8/23/02



NOTES:

1. 10% of the asphalt surface is cracked.

Legend:

-  Crack
-  Area with cracks, potholes, and an uneven driving surface
-  Grass
-  Drain
-  Pothole
-  Missing Curb
-  Electric Pole
-  Light

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Milford Station Quadrant V Plan
Date: 8/23/02

STATION: Milford

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
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INSPECTORS: RGW

DATE: 8/1/02

RATINGS		PHOTO NO.	REMARKS:	
NEW	PREV			
2		9-10	Span III,IV,VI	1 - The timber railing is loose
2		12	Span I	3 - There is embedded timber in the concrete beneath the spalled area.
2		13-14	Span VI-VIII	4 - The joints are damaged
2		11	Span VII	5 - There is spalled concrete adjacent to the railing base plates
3		15	Span I	15 - At the base of the web there is spalled concrete with exposed rebar
NA		16	NA	NA - Parts of the south platform was under construction at the time of inspection
2		19	All Spans	NA - The base plates for the double tee are deteriorated and rusted
2		17-18	Quad I	NA - The timber stairs are cracked and loose
2		20-21	Quad I	Surface - In isolated areas there are potholes, cracks and / or and uneven driving surface
2		22	Quad I	Striping - The striping is faded
3		23	Quad I	Sidewalk - There is missing / uninstalled utility pole with exposed nuts, bolts, and wire
NA		24-25	Quad I	NA - There are isolated areas where construction was being performed during the time of inspection
2		26	Quad II	Surface - Typical asphalt cracks with vegetation growth
3		27	Quad III	Surface - There is spalled concrete and vegetation growth adjacent to the drain

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 1

Location: _____
Span IX

Description: _____
General view of the platform

Reference: _____
Looking west



PHOTO NO. 2

Location: _____
East side of Quad I

Description: _____
General view of Quad I

Reference: _____
Looking west



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 19 OF 36

PHOTO NO. 3

Location: West side of Quad I

Description: General view of Quad I

Reference: Looking east



PHOTO NO. 4

Location: West side of Quad II

Description: General view of Quad II

Reference: Looking east



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 5

Location:
Middle of Quad III

Description:
General view of
Quad III and the
construction work

Reference: _____



PHOTO NO. 6

Location:
West side of Quad IV

Description:
General view of Quad IV

Reference:
Looking east



STATION: Milford

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 21 OF 36

PHOTO NO. 7

Location: East side of Quad IV

Description: General view of Quad IV

Reference: Looking west



PHOTO NO. 8

Location: West side of Quad V

Description: General view of Quad V

Reference: Looking east



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 9

Location: _____
Span III

Description: _____
Metal railing which is
repaired with timber

Reference: _____
Looking sotheast



PHOTO NO. 10

Location: _____
Span IV

Description: _____
Loose timber railing

Reference: _____
Looking southeast



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 11

Location: _____
Span VII

Description: _____
Spalled concrete
adjacent to the rusted
railing base plate

Reference: _____
Looking down



PHOTO NO. 12

Location: _____
Span I

Description: _____
Embedded timber in
concrete beneath
spalled area
(2 1/2"x4"x1")

Reference: _____
Looking down



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 13

Location: _____
Soan VI

Description: _____
The joint material is
uplifted and torn

Reference: _____
Looking down



PHOTO NO. 14

Location: _____
Span VIII

Description: _____
The joint material
is depressed

Reference: _____
Looking down



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 15

Location: _____
West of the platform

Description: _____
Spalled concrete with
exposed rebar
(6"x4"x1/2")

Reference: _____
Looking east



PHOTO NO. 16

Location: _____
Span VII

Description: _____
Note that construction
was being performed
during the time of our
inspection

Reference: _____
Looking east



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 17

Location: _____
Northeast corner of
Quad I

Description: _____
The timber railing post
is cracked

Reference: _____
Looking north



PHOTO NO. 18

Location: _____
Northeast corner of
Quad I

Description: _____
The timber stairs are
cracked and loose

Reference: _____
Looking down



STATION: Millford
INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 19

Location: South of the platform

Description: Typical rusted base plate below the double tee

Reference: Looking north



PHOTO NO. 20

Location: East side of Quad I

Description: Cracked and unven asphalt surface with potholes

Reference: Looking south



STATION: Milford

INSPECTORS: RGW

STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 21

Location: Middle of Quad I

Description: Typical pothole

Reference: Looking down



PHOTO NO. 22

Location: Middle of Quad I

Description: Typical faded striping

Reference: Looking down



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 23

Location: Middle of Quad I

Description: Missing / uninstalled utility pole with exposed nuts, bolts, and wire

Reference: looking northwest



PHOTO NO. 24

Location: East side of Quad I

Description: Note that there was construction taken place during the time of out inspection

Reference: Looking northeast



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 25

Location:
West side of Quad I

Description:
Note that this area is under construction

Reference: _____



PHOTO NO. 26

Location:
Middle of Quad II

Description:
Typical crack with vegetation growth

Reference:
Looking north



STATION: Milford
INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 27

Location: Middle of Quad III

Description: Spalled concrete, and
vegetation growth
adjacent to the drain

Reference: Looking down



PHOTO NO. 28

Location: Middle of Quad V

Description: Missing asphalt curb
(8')

Reference: Looking south



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 29

Location: Middle of Quad V

Description: Typical cracks adjacent to the potholes

Reference: Looking west



PHOTO NO. 30

Location: Middle of Quad V

Description: Typical crack with vegetation growth and uneven asphalt surface

Reference: Looking west



STATION: Milford

INSPECTORS: RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
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PHOTO NO. 31

Location:
platform.
southbound
platform.
Description:
platform under
construction

Reference:
Platform Service
Section



PHOTO NO. 32

Location:
platform

Description:
existing platform
lighting to be
removed under a
current contract

Reference:
Platform Lighting
Section



STATION: Milford
INSPECTORS: Jim Connell & Dave Lang

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STATION INSPECTION REPORT
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PHOTO NO. 33

Location:
platform

Description:
existing
platform lighting
to be removed
under a
current contract

Reference:
Platform Lighting
Section

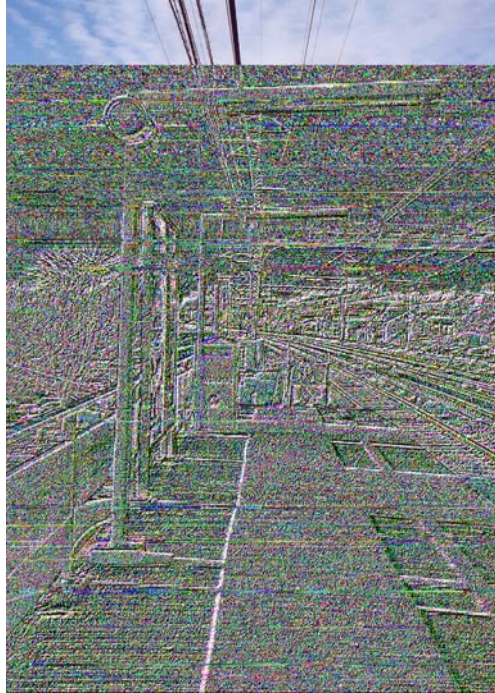


PHOTO NO. 34

Location:
platform

Description:
an existing
receptacle to be
removed under a
current
construction

contract.
Reference:
Platform Electrical
Systems Section



STATION: Milford
INSPECTORS: Jim Connell & Dave Lang

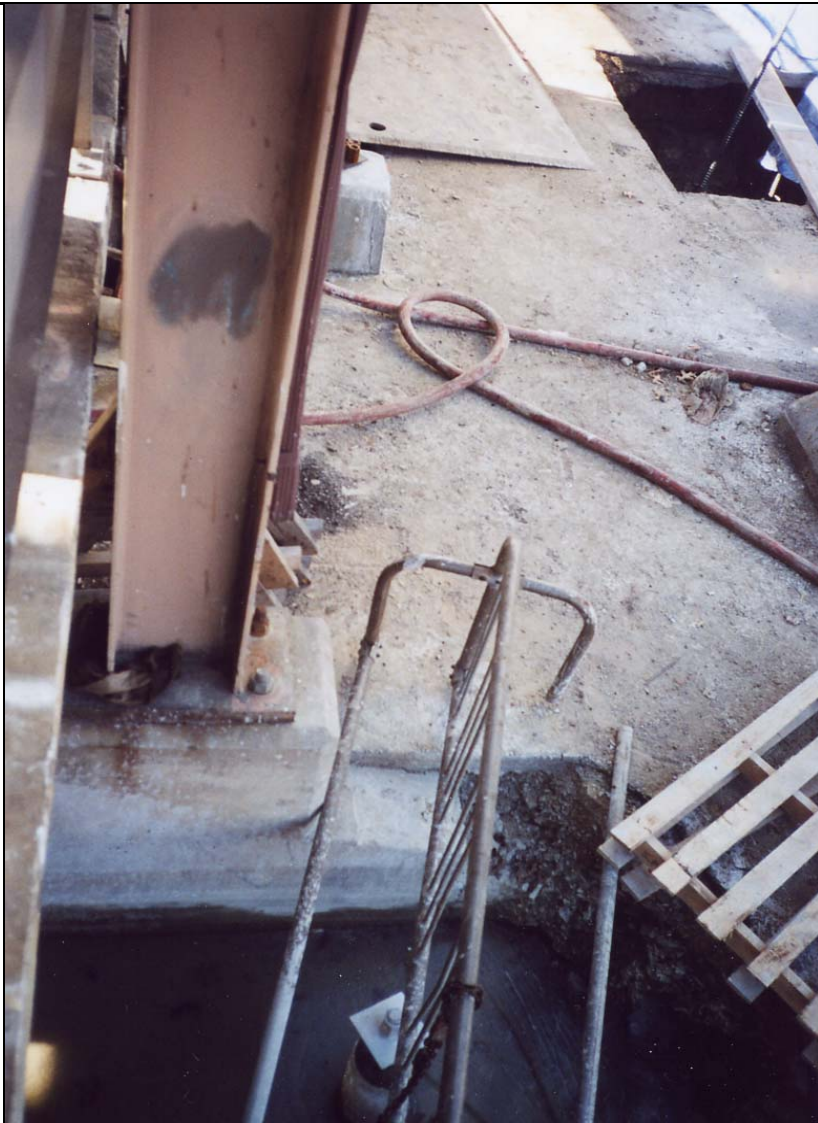
CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 35 OF 36

PHOTO NO. 35

Location:
MILFORD
STATION

Description:
Platform only
Station is in
total reconstruction

Reference:
Downspouts
from platform
not completed



STATION: MILFORD

INSPECTORS: J. Duncan & T. Abrahamson

Milford Station

Description	Units	Quantity	Price / Unit	Total Cost
Replacing asphalt pavement				
-Remove asphalt	yd ³	3925.00	\$22.00	\$86,350.00
-6" asphalt top course and binder course	yd ²	10870.00	\$25.00	\$271,750.00
-7" aggregate base	yd ³	2115.00	\$20.00	\$42,300.00
Repair potholes				
-Remove asphalt	yd ³	2.00	\$22.00	\$44.00
-6" asphalt top course and binder course	yd ²	12.00	\$25.00	\$300.00
Replace timber stairs	LS	-	-	\$1,500.00
Striping **	ft	2475.00	\$1.00	\$2,475.00
Replace pedestrian railing *	ft	560.00	\$22.00	\$12,320.00
Repair spalled concrete *	ft ²	10.00	\$140.00	\$1,400.00
Misc (clean and paint structural steel) *	LS	-	-	\$5,000.00
Mobilization / Demobilization (10%)				\$42,343.90
Sub-total				\$465,782.90
Contingency (20%)				\$93,156.58
Grand Total				\$558,939.48
Say				\$559,000.00

* At the time of inspection construction was being performed. Therefore these cost might not pertain at the time of repair.

** Stripping quantity is based upon 55 parking spaces as per the "1997 New Haven Line and Shore Line East Parking Inventory".