# CONNECTICUT DEPARTMENT OF TRANSPORTATION



CONDITION INSPECTION FOR THE BEACON FALLS STATION

GENERAL RECOMMENDATION 3

PREPARED BY: URBITRAN ASSOCIATES, INC.

DATE: 7/3/02

### 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: Bea	acon Falls		CONN. DEP	T OF TRA	NSPORT	TATION	
LINE: Wat	terbury		STATION IN	N INSPECTION REPORT			
INSPECTION DATE	: 11-17-01		SHEET	1	OF	19	
INSPECTION AGEN	ICY / FIRM:	UA					
INSPECTORS: JFS	S, WV, RGW	_					
WEATHER: Sun	nny	_					

			PLAT	FOR	M ELE	MEN	Т					CAN	OPY		SUPER- STRUCTURE	FOUN	IDATI	ONS
SPAN NO.	٦ RAILING	N RAILING PAINT	ω STAIRS	SLNIOF 4	o TOP OF PLATFORM	စ BENCHES	✓ SIGN / BILLBOARD	∞ WARNING STRIP	Φ PLATFORM EDGE RUBBING BOARD	<b>5</b> PEDESTRIAN TUNNEL	COLUMNS OVERALL	COLUMN BASE @ PLATFORM	ROOF FRAMING ELEMENTS	ROOFING MATERIAL	15 DOUBLE TEE	<b>16</b>	POOTING 17	8 EROSION / SCOUR
1	3	2	4	5	3	4	2	3	5	5	5	5	5	5	5	5	5	5
2	3	2	5	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5
3	3	2	5	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5
4	3	2	5	1	3	5	5	5	5	5	5	5	5	5	5	5	5	5
5	3	2	5	5	3	5	5	5	5	5	5	5	5	5	5	5	5	5

	CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 2 OF 19
PARKING ELEMENTS	
QUADRANT # I	
TYPE OF SURFACE: asphalt x PAVED; OTHER (DESCRIBE)	GRAVEL;DIRT;
CONDITION OF PAVED SURFACE: 3	
CONDITION OF STRIPING: 1	
CONDITION OF BASIN / DRAINS / ETC: 5 (FOR LOCATION SEE SHEET: )	
SIGNAGE: 2	
FENCE AND GUARDRAIL: 4	
LANDSCAPE: 5	
SIDEWALK: 5	
CURB: 5	
QUADRANT # II	
TYPE OF SURFACE: PAVED; x OTHER (DESCRIBE)	GRAVEL;DIRT;
CONDITION OF PAVED SURFACE: 1	
CONDITION OF STRIPING: 5	
CONDITION OF BASIN / DRAINS / ETC: 5 (FOR LOCATION SEE SHEET: )	
SIGNAGE: 5	
FENCE AND GUARDRAIL: 4	
LANDSCAPE: 2	
SIDEWALK: 5	
CURB: 5	

STATION: Beacon Falls	CONN. DEPT OF TRANSPORTATION
LINE: New Haven-Waterbury Branch	STATION INSPECTION REPORT
INSPECTION DATE: February 11, 2002	SHEET 3 OF 19
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff	<del></del>
INSPECTORS: Jim Connell & Dave Lang	
TIME OF INSPECTION: A.M.	
WEATHER: Cold & Clear	

#### PLATFORM --- LIGHTING

Span Number	Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
n/a	HID-HPS	Holophane	unknown	3	3	6/ 20	minor deterioration

Remarks: A typical section of the platform was measured at the location indicated and found to average
13.6 fc.
The platform relies on a utility pole mounted flood luminaire located in the parking area to illuminate the platform.

#### PLATFORM --- LIGHTING LEVELS (fc)

TRACKS{																	
	see rem	arks	see	remar	ks		avg 13.6		see	rema	arks	see	rema	arks	see	rema	arks
		NOR <sup>-</sup>	THB	NUC	D/SO	UTH	BOU	ND F	PLAT	FOF	RM						

STATION: Beacon Falls

LINE: New Haven-Waterbury Branch

INSPECTION DATE : February 11, 2002
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: Jim Connell & Dave Lang

TIME OF INSPECTION: A.M.

WEATHER: Cold & Clear

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 4 OF 19

#### **PLATFORM --- SERVICE**

120/240	Type of 3 phase c	Delta	n/a	Wye	n/a	
	Method of Entrand	Overhead	n/a	Underground	Χ	
100	Origin of Service	Pole	Χ	Transformer	n/a	
	Code Compliant		Yes	Χ	No	n/a
1	Pole Number	CL&P 7030	Wire Sizes	unknown		
	& Street	Railroad Ave				
		Method of Entrance 100 Origin of Service Code Compliant 1 Pole Number	Method of Entrance  100 Origin of Service Code Compliant  1 Pole Number CL&P 7030	Method of Entrance	Method of Entrance         Overhead         n/a           100         Origin of Service         Pole         X           Code Compliant         Yes         X           1         Pole Number         CL&P 7030         Wire Sizes         unk	Method of Entrance Overhead n/a Underground  100 Origin of Service Pole X Transformer Code Compliant Yes X No  1 Pole Number CL&P 7030 Wire Sizes unknown

#### **PLATFORM --- ELECTRICAL SYSTEMS**

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	Square D	QOC124	3	parking lot	6/ 20	minor deterioration
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	unknown	unknown	3	parking lot	6/ 20	minor deterioration
Grounding	unknown	unknown	unknown	unknown	unknown	unknown
Lighting Controls	unknown	unknown	3	parking lot	6/ 20	minor deterioration
Public Telephone	unknown	n/a	n/a	platform	n/a	operational
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a

Remarks:	

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET5 OF19
DATE: February 11, 2002
ICAL AND LIGHTING SUMMARY
_

The electrical service is mounted in an outdoor enclosure on the utility pole adjacent to the platform. The enclosure is normally locked, but Metro North Railroad electricians were performing routine maintenance and allowed us access to the panelboard enclosure. The panleboard in the enclosure is in good working condition and is more than adequate for this station platform.

There is one floodlight mounted on the service pole that illuminates the platform. This floodlight maintains 13.6 foot-candles, which is above the minimal platform light levels as recommended by the IESNA.

STATION: Beacon Falls

LINE: New Haven - Waterbury Branch
INSPECTION DATE: February 11, 2002

INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: D. Lang
TIME OF INSPECTION: A.M.

WEATHER: Cold & Clear

#### **PLATFORM - PLUMBING**

SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS	SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS
110.		1111110		NO.		1111110	
	Shelters	have no gutters or	downspouts; shelt	ers have plas	tic curbed roof	'S.	

#### PLATFORM - FIXTURES--N/A

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

STATION: Beacon Falls	CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 7 OF 19
INSPECTORS: D. Lang	DATE: Feburary 11, 2002
STATION MECH	HANICAL SUMMARY
There are two small shelters with plastic curbed There is no maintenance required.	roofs. There are no gutters or downspouts.

STATION: Waterbury

LINE: New Haven-Waterbury Branch

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

INSPECTION DATE: April 3, 2002

SHEET \_8\_of\_19

INSPECTION AGENCY/FIRM: Warren & Panzer Engineers

INSPECTOR: Josue Garcia/Bosun Ogunnaike WEATHER: Good

#### HAZARDOUS MATERIALS INSPECTION

#### LEAD-BASED PAINT

Note: The LBP inspection was conducted using an RMD LPA-1 spectrum X-Ray Fluorescence Analyzer (XRF). The Department of Housing and Urban Development (HUD) recommend XRF analysis for inspection of lead in paint. XRF readings were taken of surfaces coated with suspect LBP. The XRF was operated in "Quick Mode" for this project. In Quick Mode, the measurement time is determined by the LPA-1 Analyzer to achieve a 95% confidence measurement compared to an action level (1.0 mg/cm2).

#### **Platform**

Surfaces Tested	# of Locations Tested	Lead Presence (>1 mg/cm2)	Rating
Canopy Columns	1	No	4
Gutter	2	No	3
Canopy Deck	1	No	3
Telephone Booth	2	No	3
Platform Warning Strip	4	No	3
Canopy Beams	2	No	4

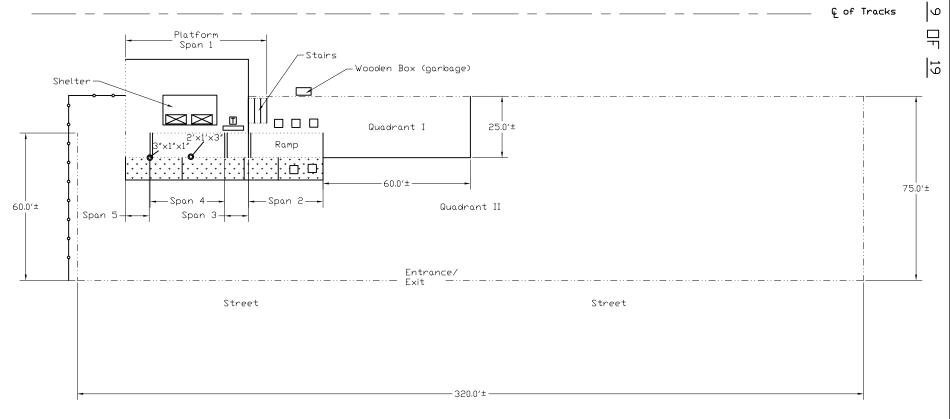
#### SUSPECT ASBESTOS-CONTAINING MATERIALS

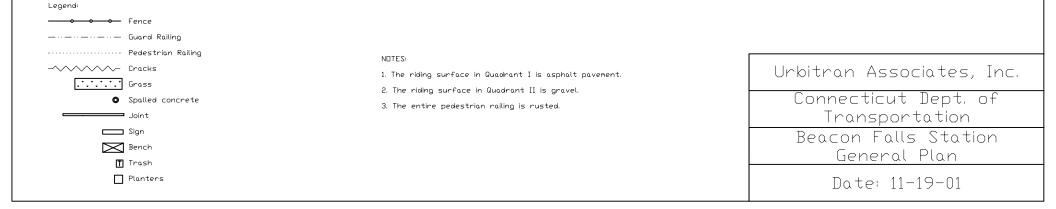
Listed below are suspect asbestos-containing materials that were observed during a visual inspection. Materials were found to be in good to fair condition. Any future disturbance of these materials should be preceded by the collection of samples and laboratory analysis of these samples. This work must be performed by a certified inspector.

#### **Platform**

Suspect Materials	Rating
Platform Seam Caulking	3







STATION:	Becon Falls	CONN. DEPT OF TRANSPORTATION
		STATION INSPECTION REPORT
		SHEET 10 OF 19

INSPECTORS: JFS, WV, RGW DATE: 11-17-01

	TIMOO	БИОТО		DEMARKO.	
	TINGS	PHOTO	REMARKS:		
NEW	PREV	NO.			
2		6	Span I-V	1,2 - The railing paint is rusted and chipped	
			_		
1		7	Span IV	4 - The joint is missing and the adjacent concrete	
				is cracked and spalled	
			_		
3		8	Span IV	5 - There is spalled concrete on the west side of the	
				ramp.	
2		9	Span I	7 -The sign's lettering is damaged	
			-		
2		10	Quad I	Surface - There are minor cracks in the surface	
	1		<u> </u>		
1		5	Quad I	Stripping - The striping is faded	
				<u> </u>	
1		5	Quad I	Signage - The signs are bent and rusted; one of the	
•		+ -	Quau :	handicap signs are missing.	
				Handicap signs are missing.	
1		3-4	Quad II	Surface - The gravel riding surface is uneven and areas	
'		1 0 7	Quau II	are missing with vegetation growing within the	
				parking area.	
				parking area.	
2		1-4	Quad II	Landscape - Generally the vegetation adjacent to	
		1-4	Quau II	this area is dead.	
				tilis area is dead.	
	+				
	+				
	+				
	+				
	+				
	+				
		_1	<u> </u>		

## CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 11 OF 19

	SHEET	<u>11</u> OF <u>19</u>	
PHOTO NO. 1	- V		
Location: West of the platform			
Description: General view of the platform			Beacon-Falls
Reference: Looking east			
PHOTO NO. 2	_		
Location: South of the platform			
Description: General view of the platform			
Reference: Looking north			

STATION: Beacon Falls
INSPECTORS: JFS, WV, RGW

### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

	SHEET _	12 OF	<u>19</u>	
PHOTO NO. 3				
Location: North end of the parking lot				
Description: General view of the parking lot Note the vegetation growth in the gravel lot				
growth in the graver lot				
Reference: Looking south				
			the state of the s	
PHOTO NO. 4			-	
Location: South end of the parking lot			Žų,	
Description: General view of the parking lot				
Note the vegetation growth in the gravel lot				

Reference: Looking north

Beacon Falls JFS, WV, RGW

STATION: INSPECTORS:

### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 13 OF 19

	SHEET 13 OF 19
PHOTO NO. 5	
Location: Northwest of Quad I	
Description: General view of Quad I with faded striping and missing handicap sign	
Reference: Looking southeast	
PHOTO NO. 6	
Location: Southend of the platform	
Description: The railing is rusted which is typical throughout the platform	
Reference: Looking west	

Beacon Falls JFS, WV, RGW

STATION: INSPECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>14</u> OF <u>19</u>

PHOTO NO7  Location:	
Reference: Looking east	
PHOTO NO. 8  Location: West of the platform	
Description: In addition to the missing joint filler material in Span IV adjacent to the joint is spalled	
Reference: Looking east	

STATION:

JFS, WV, RGW

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>15</u> OF <u>19</u>

PHOTO NO. <u>9</u>	
Location	
Location:  Middle of the platform	CONTRACTOR AND ANY ANY ANY AND ANY AND ANY AND ANY AND ANY ANY AND AND AND ANY AND ANY AND ANY AND AND ANY AND ANY AND AND ANY AND
wilddie of the platform	
Description:	
A section of the sign	
text is missing	Follo
	Beacon Fells
Reference:	
Looking west	
	RECYCLING CENTER
	NEWSPAPERS BOTTLES TRACE
PHOTO NO. 10	
Location:	
Middle of Quad I	
Description:	
Typical crack in Quad I	
Reference:	是一种,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Looking down and south	
	AND THE RESIDENCE OF THE PARTY

Beacon Falls JFS, WV, RGW STATION: INSPECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 16 OF 19 SHEET

PHOTO NO. 11

Location:

platform

Description:

over all view of the

platform

Reference: Electrical Systems

Section

PHOTO NO. 12

Location:

parking lot

Description:

electrical service

enclosure

Reference:

Platform Service Section



STATION: Beacon Falls
INSPECTORS: Jim Connell & Dave Lang

# CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 17 OF 19

PHOTO NO. <u>13</u>
Location:
parking lot
Description:
platform lighting
and speakers

Reference:
Platform Lighting
Section



STATION: Beacon Falls
INSPECTORS: Jim Connell & Dave Lang

# CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 18 OF 19

PHOTO NO. 14  Location: BEACON FALLS STATION  Description: Platform shelter		
Reference:  Mechanical		
PHOTO NO15  Location:	Beacon Falls	
Reference:  Mechanical		BEACON FALLS
		TION:

<b>Beacon Falls Station</b>				Sneet
Description	Units	Quantity	Price / Unit	Total Cost
Replace asphalt pavement				
-Remove asphalt	yd³	61.00	\$30.00	\$1,830.00
-Remove dirt and gravel	$yd^3$	843.00	\$30.00	\$25,290.00
-6" asphalt top course and binder course	$yd^2$	2500.00	\$25.00	\$62,500.00
-7" aggregate base	$yd^3$	904.00	\$20.00	\$18,080.00
Paint Railing	ft	230.00	\$9.00	\$2,070.00
Repair spalled Concrete	$\mathrm{ft}^2$	2.00	\$40.00	\$80.00
Repair expansion joint	ft	15.00	\$9.00	\$135.00
Mobilization / Demobilization (10%)				\$10,998.50
Sub-total				\$120,983.50
Contingency (20%)				\$24,196.70
Grand Total				\$145,180.20
Say				\$146,000.00