# CONNECTICUT DEPARTMENT OF TRANSPORTATION



### CONDITION INSPECTION FOR THE SPRINGDALE STATION

GENERAL RECOMMENDATION 3

PREPARED BY: URBITRAN ASSOCIATES, INC.

DATE: 9/20/02

# 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: _	Springdale				CONN. DE	PT OF TRA	NSPOR	<b>TATION</b>	
LINE:	New Canaan				STATION I	NSPECTIO	N REPO	RT	
INSPECTIO	N DATE: 1/26	/02			SHEET	1	OF	27	
INSPECTIO	N AGENCY / FIRM:	UA							
INSPECTOR	RS: RGW, SS		_						
WEATHER:	Sunny, 40	)'s	-						

			PLAT	FOR	M ELE	MEN	Т					CAN	YAC		SUPER- STRUCTURE	FOUN	FOUNDATIONS		
SPAN NO.	ع RAILING	A RAILING PAINT	ω STAIRS	SLNIOF 4	9 TOP OF PLATFORM	9 BENCHES	→ SIGN / BILLBOARD	∞ WARNING STRIP	<b>∞</b> PLATFORM EDGE RUBBING BOARD	<b>5</b> PEDESTRIAN TUNNEL	COLUMNS OVERALL	COLUMN BASE @ PLATFORM	ROOF FRAMING ELEMENTS	ROOFING MATERIAL	25 DOUBLE TEE	16 PIER	POOTING	B EROSION / SCOUR	
I	3	2	3	3	3	5	3	3	5	5	5	5	5	5	3	3	3	3	
П	3	2	5	5	3	5	5	3	5	5	5	5	5	5	3	5	3	3	
III	3	2	5	3	3	5	3	3	5	5	5	5	5	5	3	5	3	3	
IV	3	2	3	3	3	3	3	3	5	5	5	5	5	5	3	5	3	3	
V	3	2	5	3	3	3	3	3	5	5	5	5	5	5	3	5	3	3	
VI	3	2	5	3	3	3	3	3	5	5	5	5	5	5	3	5	3	3	
VII	3	2	5	3	3	5	5	3	5	5	5	5	5	5	3	5	3	3	
VIII	3	2	5	3	3	5	3	3	5	5	5	5	5	5	3	5	3	3	
IX	3	2	5	5	3	5	3	3	5	5	5	5	5	5	3	5	3	3	
Х	3	2	3	5	3	5	5	5	5	5	5	5	5	5	5	3	3	3	
ΧI	3	2	5	3	3	5	5	5	5	5	5	5	5	5	3	3	3	3	

STATION: Springdale LINE: New Canaan	CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT
INSPECTION DATE: 1/29/02	SHEET 2 OF 27
INSPECTION AGENCY / FIRM: UA	<del></del>
INSPECTORS: RGW, SS	
INSPECTORS: RGW, SS WEATHER: Sunny, 40's	
PARKING ELEMENTS	S
QUADRANT # I	
TYPE OF SURFACE: aspahalt x PAVED; OTHER (DESCRIBE	GRAVEL;DIRT; Ē)
CONDITION OF PAVED SURFACE: 3	
CONDITION OF STRIPING: 3	
CONDITION OF BASIN / DRAINS / ETC: 5 (FOR LOCATION SEE SHEET:)	
SIGNAGE: 3	
FENCE AND GUARDRAIL: 2	
LANDSCAPE: 3	
SIDEWALK: 3	
CURB: 3	
QUADRANT # II	
TYPE OF SURFACE: asphalt x PAVED; OTHER (DESCRIBE	
CONDITION OF PAVED SURFACE: 2	
CONDITION OF STRIPING: 3	<u> </u>
CONDITION OF BASIN / DRAINS / ETC: 3 (FOR LOCATION SEE SHEET:)	
SIGNAGE: 2	
FENCE AND GUARDRAIL: 2	
LANDSCAPE: 3	_
SIDEWALK: 3	
CURB: 3	

STATION: SELINE: New O	Canaan	20/02	CONN. DEPT OF TRA STATION INSPECTION SHEET 3 OF	N REPORT
INSPECTION AGE			311LL1 OI	
INSPECTORS:			_	
	Sunny, 40's			
	P	ARKING ELEMENTS		
	Q	UADRANT # III		
TYPE OF SURFAC	E: aspahalt x	PAVED; OTHER (DESCRIBE)	_GRAVEL;	DIRT;
CONDITION OF PA	VED SURFACE	E:2		
CONDITION OF ST	RIPING:	3		
CONDITION OF BA (FOR LOCATION S	ASIN / DRAINS / SEE SHEET:	ETC: 3		
SIGNAGE:	3			
FENCE AND GUAF	RDRAIL:	2		
LANDSCAPE:	3			
SIDEWALK:	3			
CURB:	3			

STATION: Springdale CONN. DEPT OF TRANSPORTATION STATION INSPECTION DATE: Danuary 8, 2002 SHEET 4 OF 27

INSPECTION AGENCY / FIRM: Parsons Brinckerhoff INSPECTION: Jim Connell & Dave Lang TIME OF INSPECTION: A.M.
WEATHER: Clear & Cool

#### **PLATFORM --- LIGHTING**

Span Number	Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
	HID-MH	Holophane w/ Prescolite pole	unknown	3	3		minor deterioration

Remarks: A typical section of the platform was measured at the location indicated and found to average 7.45 fc.

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

TRACKS{																	
	see rem	arks	see	remar	ks		avg 7.45		see	rema	arks	see	rema	arks	see	rema	ırks
				NORT	ГНВ	NUC	D/SO	UTH	BOU	ND F	PLAT	FOF	RM				

STATION: Springdale

LINE: New Haven-New Canaan Branch

INSPECTION DATE : January 8, 2002
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff

INSPECTORS: Jim Connell & Dave Lang

TIME OF INSPECTION: A.M.

WEATHER: Clear & Cool

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET \_\_\_ 5 OF \_\_ 27

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

Voltage Rating (V)	120/240	Type of 3 phase c	Delta	n/a	Wye	n/a	
		Method of Entrand	ce	Overhead	n/a	Underground	Χ
Rating of Main Breaker (A)	unknown	Origin of Service		Pole	Χ	Transformer	n/a
		Code Compliant		Yes	Χ	No	n/a
Quantity of Phases		Pole Number & Street	? Co 12972 * Hope St	Wire Sizes	unkı	nown	

Remarks: We were unable to gain access to the electrical service enclosure to verify the size and condition of the main circuit breaker and panelboard.

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

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	unknown	unknown	unknown	platform	unknown	unknown
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	platform	15/ 20	minor deterioration
Grounding	unknown	unknown	unknown	unknown	unknown	unknown
Lighting Controls	unknown	unknown	unknown	unknown	unknown	unknown
Public Telephone	unknown	n/a	n/a	parking lot	unknown	operational
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a
Remarks: We	found one recep	tacle that was	not properly m	ounted and sl	hould be repai	red.

r terriarite.	we lead one receptable that was not properly mounted and should be repaired.

<sup>\*</sup> The exact serial number could not be determined.

STATION: Springdale	CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 6 OF 27
INSPECTORS: Jim Connell & Dave Lang	DATE: January 8, 2002

#### STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

The electrical service is underground and terminates in a locked pedestal type electrical cabinet located on the platform and inside a small shelter type structure. This cabinet houses the electrical meter and the main panelboard. We were unable to gain access to this cabinet to verify the exact size and condition of the main panel. However, the cabinet has only minor deterioration and appears to be protecting the electrical equipment from harm.

There are several non-GFCI type receptacles located in the platform light poles that do not comply with the current NEC. We suggest that the receptacles be replaced with GFCI type to reduce the risk of electric shock when in use.

The platform luminaires are pole mounted metal halide and produce an average of 7.45 foot-candles. This value exceeds the recommended practice suggested by the IESNA.

STATION: Springdale CONN. DEPT OF TRANSPORTATION
LINE: New Haven - New Canaan Branch
INSPECTION DATE: January 8, 2002 SHEET 7 OF 27

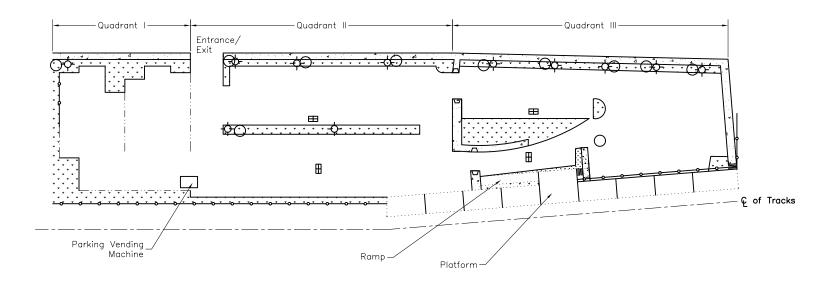
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: J. Duncan & T. Abrahamson
TIME OF INSPECTION: P.M.
WEATHER: Clear & Cool

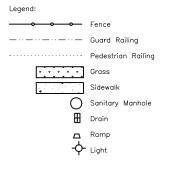
#### **PLATFORM - PLUMBING**

SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS	SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS
NO.		PIPING		NO.		PIPING	
	Shelter h	nas four aluminum (	gutters in good cor	ndition.			
	Shelter h	nas two 1 1/2" x 1 1	/2" downspouts or	back in good	condition.		

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

SPAN #:	SPAN <sup>#</sup> :	SPAN <sup>#</sup> :
MODEL:	MODEL:	MODEL:
YEAR:	YEAR:	YEAR:
MANUFACTURER:	MANUFACTURER:	MANUFACTURER:
CONDITION:	CONDITION:	CONDITION:



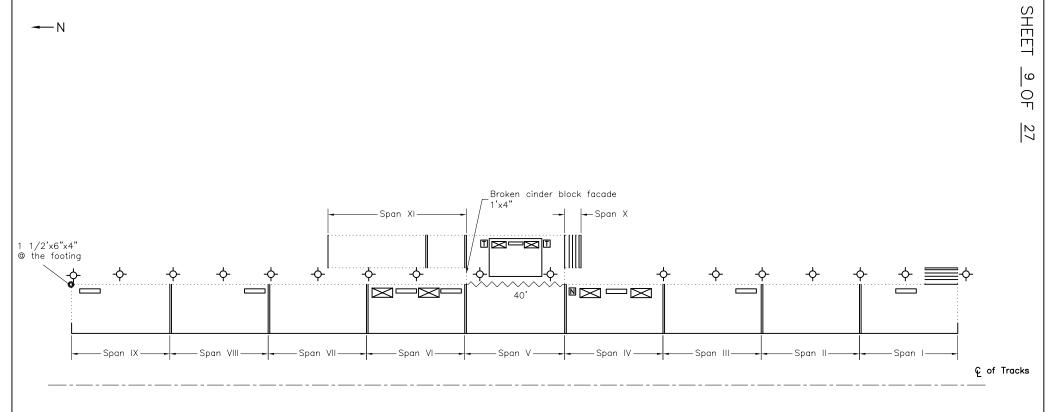


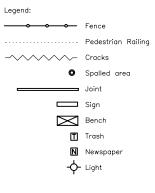
Urbitran Associates, Inc.

Connecticut Dept. of
Transportation

Springdale Station
General Plan

Date: 2-27-02





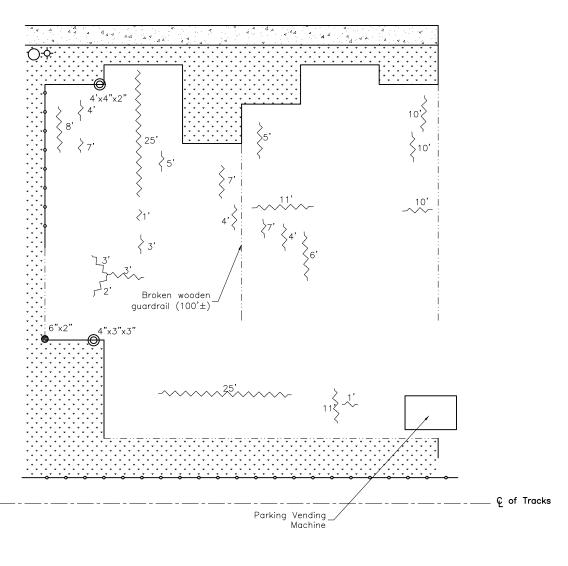
#### NOTES:

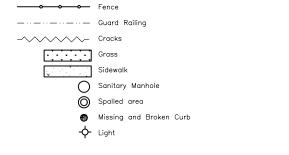
- The base plates below the double tee are rusted and deteriorated.
   Along the platform the railing is bent in multiple locations.
   The railing base plates are rusted and deteriorated.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Springdale Station Platform Plan
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Date: 2-27-02

Legend:



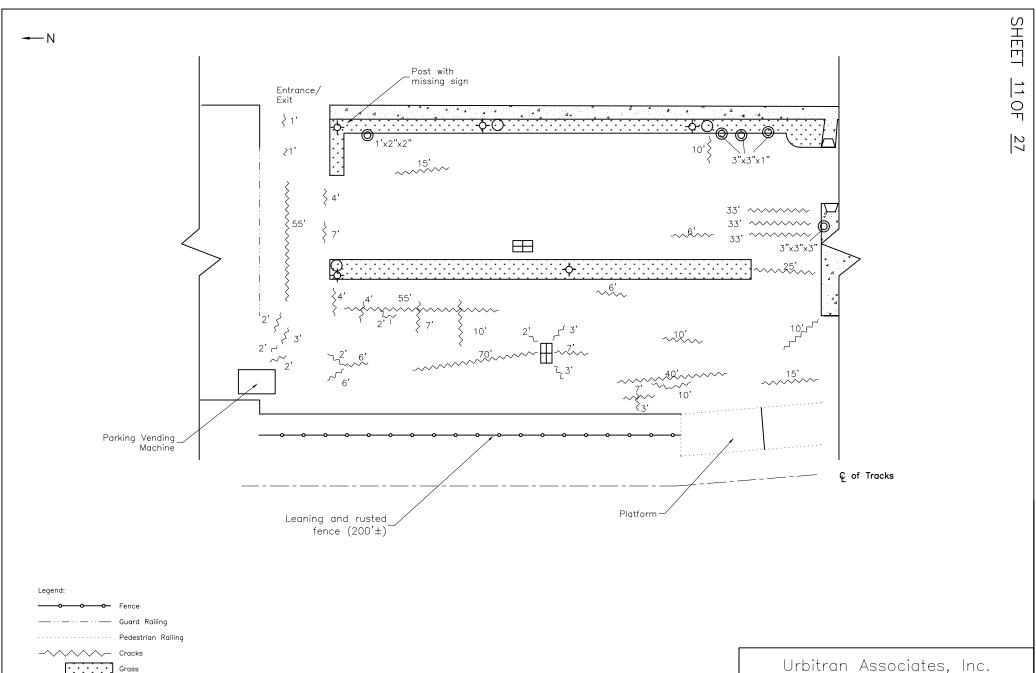


Urbitran Associates, Inc.

Connecticut Dept. of

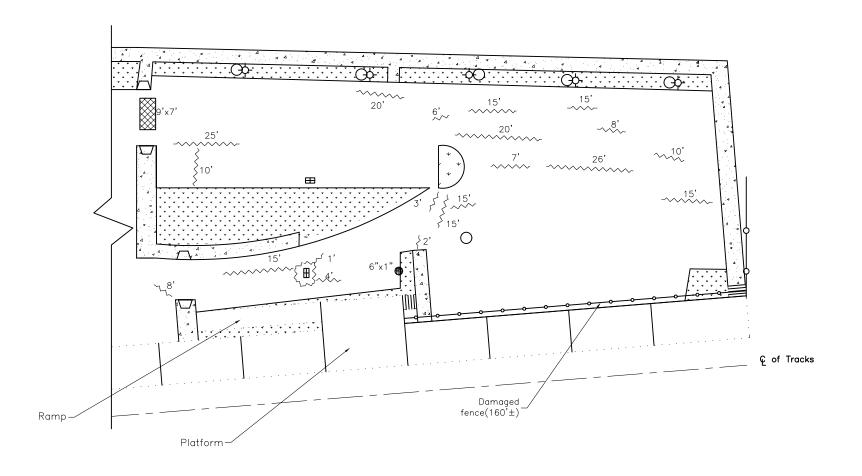
Transportation
Springdale Station
Quadrant | Plan

Date: 2-27-02



Courd Railing
Pedestrian Railing
Cracks
Grass
Sidewalk
Sanitary Manhole
Drain
Spalled area
Springdale Station
Quadrant II Plan
Light

Cracks
Cracks
Cracks
Cracks
Connecticut Dept. of
Transportation
Springdale Station
Quadrant II Plan
Date: 2-27-02





STATION:	Springdale	CONN. DEPT OF TRANSPORTATION
		STATION INSPECTION REPORT
		SHEET 13 OF 27

INSPECTORS: RGW, SS DATE: 1-27-02

		1	-	
	INGS	РНОТО	<u>REMARKS:</u>	
NEW	PREV	NO.		
2		9	Span I-XI 2 - The railing base plate are rusted	
			and deteriorated	
3		10	Span I-X 1 - The railing is bent	
		10	Sparri-X 1 - The failing is bent	
3		11	Span V 5 - There is a concrete crack (40')	
		<del>                                     </del>	Spair : Simono lo di conto citto di don (10)	
2		12	Span IX 17 - Spalled concrete on the top of the foo	oting
			(1 1/2' x 6" x 4")	, and the second
3		13	Span I-X 17 - The base plates below the double tee	e are
			rusted and deteriorated.	
	1	1		
2		14	Span V NA - Broken cinder block façade which oc	
	ļ	1	on the north and south face of Span V	
2		16	Quad I Rail - The wooden guard rail is splitting in h	olf
		10	Quad i Raii - The wooden guard raii is spiitting ii i	iaii
3		17-18	Quad I-III Curb - The concrete curb is spalled and crac	cked
		17 10	The definition data to opanica and state	oncu
2		19	Quad II Sign - One sign post is missing a sign	
			5 0	
2		20	Quad II-III Fence - The fence is leaning and rusted.	
2		15	Quad II-III Surface - The asphalt pavement is cracke	d in
			numerous locations	
		1		
<u> </u>	<u> </u>	<del>                                     </del>		
		1		
	<del> </del>	†		
	1	†		

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 14 OF 27 SHEET

PHOTO NO1  Location: North side of Quad II	
Description: General view of Quad I	
Reference: Looking north	
PHOTO NO. 2  Location:	
Westside of Quad I  Description: General view of Quad I	
Reference: Looking east	Springdale SS, RGW
	rion: Ectors:

STATION: INSPECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 15 OF 27 SHEET

	<del>_</del> _		
PHOTO NO. 3		ı	
Location:			
South end of Quad I			
Description: General view of Quad II			
Reference: Looking south			
PHOTO NO. 4			
West side of Quad II  Description: General view of Quad II			
Reference: Looking east		Springdale	SS, RGW
		:NOI	ECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 16 OF 27 SHEET

PHOTO NO. 5	ı	ı I
Location: West side of Quad III		
Description: General view of Quad III		
Reference: Looking east		
PHOTO NO. 6		
Location: East side of Quad III  Description: General view of Quad III		
	Ф	
Reference: Looking west	Springdal	
	STATION:	INSPECTORS:

## CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

HEET 17 OF 27
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STATION: Springdale INSPECTORS: SS,RGW

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>18</u> OF <u>27</u>

PHOTO NO. 9		
Location: Between Span VI and VII  Description:		
The railing base plates are rusted and deteriorated		
Reference: Looking east		
PHOTO NO. 10  Location:		
Span IV  Description: Typical bent railing		
Reference:	ile	^
Looking southeast	Springda	SS, RGW
	:NOI	ECTORS:

STATION: INSPECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT <u>19</u> OF <u>27</u> SHEET

	7
PHOTO NO	
PHOTO NO	ION: Springdale SS, RGW

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#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT <u>20</u> OF <u>27</u> SHEET

PHOTO NO. <u>13</u>
Location:
East of Span III
Description:
Typical base plate
that is rusted
and deteriorated
Reference:
Looking down and west



PHOTO NO. 14

Location:

North of Span V

Description:

Broken cinder block (1' x 4") on the north face of Span V;

Note similar occurrence on the south face of

Span V

Reference: Looking south



Springdale SS, RGW STATION: INSPECTORS:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 21 OF 27 SHEET

PHOTO NO. 15	 Ī
Location: Middle of Quad II	
Description: Typical asphalt crack	
Reference: looking south	
PHOTO NO. 16  Location:	
Middle of Quad I	
Description: Splitting timber guardrail (5')	
Reference: Looking north	Springdale
	FION:

STATI

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>22</u> OF <u>27</u>

PHOTO NO17	
Location: Northeast corner of Quad I	
Description: Spalled concrete curb (4' x4"x2")	
Reference:	
Looking northeast	
PHOTO NO. <u>18</u>	
Location: Northwest corner of Quad I	
Description: Cracked concrete curb (6"x6"x2")	
Reference: Looking north	Springdale SS_RGW
	TION:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 23 OF 27

PHOTO NO. <u>19</u>	Ī
Location: Northeast corner of Quad II	
Description: The pole is missing a sign	
Reference: Looking east	
PHOTO NO	
Location: West side of Quad II	
Description: Leaning, rusted, and damaged fence	
Reference:	e le
Looking north	Springdal
	FION:

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 24 OF 27 SHEET

PHOTO NO. Location: at platform

Description: underground electric service connection point

Reference: Platform Service Section



PHOTO NO.

Location: platform

Description: platform lighting and speakers

Reference: Platform Lighting Section



STATION: Springdale
INSPECTORS: Jim Connell & Dave Lang

#### CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 25 OF 27 SHEET

PHOTO NO.

Location:

platform

Description:

platform shelter lighting

Reference:
Platform Lighting

Section



PHOTO NO.

Location:

beneath platform

Description:

a receptacle not properly mounted to the platform

Reference:

Platform Electrical System Section



STATION: Springdale
INSPECTORS: Jim Connell & Dave Lang

# CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 26 OF 27

PHOTO NO.

Location:

SPRINGDALE STATION

Description:

Name of

station

Reference:

Mechanical



PHOTO NO.

Location:

SPRINGDALE

STATION

Description:

Shelter on the

platform w/ aluminum

gutters and

downspouts

Good Condition

Reference:

Mechanical



STATION: SPRINGDALE INSPECTORS: J. Duncan & T. Abrahamson

Units ft	Quantity 1500.00	Price / Unit \$2.00	Total Cost
ft	1500.00	62.00	
		\$2.00	\$3,000.00 *
yd <sup>3</sup>	5.00	\$80.00	\$400.00
ft	10.00	\$22.00	\$220.00 *
ft	100.00	\$24.00	\$2,400.00 *
ft	360.00	\$48.00	\$17,280.00 *
EACH	24.00		\$0.00
ft	360.00	\$100.00	\$36,000.00 *
LS	-	-	\$400.00 *
EACH	4.00	\$50.00	\$200.00 *
LS	-	-	\$1,000.00
			\$6,090.00
			\$66,990.00
	-	-	\$13,398.00
	-	-	\$80,388.00
			\$81,000.00
	ft ft ft ft EACH ft LS EACH	ft 10.00 ft 100.00 ft 360.00 EACH 24.00 ft 360.00 LS - EACH 4.00	ft         10.00         \$22.00           ft         100.00         \$24.00           ft         360.00         \$48.00           EACH         24.00         \$100.00           LS         -         -           EACH         4.00         \$50.00

<sup>\*</sup> The extent of deterioration noted during our inspection is minimal and does not require immediate repair. The type and extent of deterioration will not affect the station operations or commuters. Therefore, we recommend the that defects noted in this report be included in a future station maintenance rehabilitation contract.