CONNECTICUT DEPARTMENT OF TRANSPORTATION



CONDITION INSPECTION CANNONDALE STATION

GENERAL RECOMMENDATION <u>2</u>

PREPARED BY: URBITRAN ASSOCIATES, INC.

DATE: 8/16/02

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:	Cannondale			CONN. DE	PT OF TRA	ANSPOR	TATION	
LINE:	Danbury	- _		STATION I	NSPECTIC	N REPO	RT	
INSPECTION DA	TE: 12-1-01	-		SHEET	1	OF	25	
INSPECTION AG	ENCY / FIRM:	UA	•	•				
INSPECTORS: _	WV, RGW							
WEATHER:	Sunny 60's							

	PLATFORM ELEMENT						CAN	OPY		SUPER-	FOUN	IDATI	ONS					
		1	Ι					Γ		Ι			l	1	STRUCTURE			
SPAN NO.	1 RAILING	№ RAILING PAINT	ω STAIRS	STNIOL 4	9 TOP OF PLATFORM	9 BENCHES	2 SIGN / BILLBOARD	8 WARNING STRIP	◆ PLATFORM EDGE RUBBING BOARD	D PEDESTRIAN TUNNEL	COLUMNS OVERALL	다 COLUMN BASE @ PLATFORM	ROOF FRAMING ELEMENTS	ROOFING MATERIAL	15 DOUBLE TEE	9 PIER	L FOOTING	B EROSION / SCOUR
	3_	5	3	2	3	3	5	3_	5	5_	3	3	3	3	3	3	3	3
	3	5	5	2	3	3	3	3	5	5	3_	3	3	3	3	5	3	3
111	3	5	5	2	3	3	3	3_	5	5	3	3	3	3	3	5	3	3
IV	3	5	5	2	3	5	5	3	5	5	3	3	3	3	3	5	3	3
٧	3	5	5	2	3	3	5	3	5	5	3_	3	3	3	3	5	3	3
VI	3	5	3	2	3	3_	3	3	5	5	3	3	3	3	3	3	3	3
VII	3	5	3	2	3	5	5	5	5	5	5	5	5	5	3	3	3_	3
VIII	3	5	5	2	3	_5	5	5	5_	5	5	5	5	5	3	3	3	3
ΙX	3	5	5	_2	3	5	5	5	_5	5	5	5	5	5	3	3	3	3
X	3	5	5	5	_3	5	5	5	5	5	5	5	5	5	3	5_	3	3
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								-							-			
					-						_							
j																		

STATION: Cannondale	CONN. DEPT OF TRANSPORTATION
LINE: Danbury	STATION INSPECTION REPORT
INSPECTION DATE: 12-1-01	SHEET2OF25
INSPECTION AGENCY / FIRM: UA	_
INSPECTORS: WV, RGW	
WEATHER: Sunny, 60's	
PARKING ELEMENTS	
QUADRANT # 1	
TYPE OF SURFACE: asphalt x 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: 3	
LANDSCAPE: 2	
SIDEWALK: 2	
CURB: 2	
QUADRANT # 2	
TYPE OF SURFACE: asphalt x PAVED; OTHER (DESCRIBE)	_GRAVEL;DIRT;
CONDITION OF PAVED SURFACE: 2	
CONDITION OF STRIPING: 3	
CONDITION OF BASIN / DRAINS / ETC: 3 (FOR LOCATION SEE SHEET: see sketch)	
SIGNAGE: 5	
FENCE AND GUARDRAIL: 5	
LANDSCAPE: 3	
SIDEWALK: 2	
CURB: 2	

	INSPECTION I	ATION: Cannonda LINE: New Have DATE: January 2 / FIRM: Parsons E CTORS: Jim Conn CTION: A.M.	en-Danbury B 23, 2002 Brinckerhoff		STA	TION IN	FOF TRANSP SPECTION RE 3 OF 2	PORT
		ATHER: Clear						
		<u>!</u>	PLATFORM -	LIGHTING	è			
Span Number	Fixture Type	Manufacturer	Model Number	Rating		upport ondition	Estimated Age/Life(y/y)	Visual Condition
all	HID-MH	Holophane	unknown	2	3		10/ 20	not functioning as originally designed
	- 1,000	· · · · · · · · · · · · · · · · · · ·						7,22
Remarks	: A typical sec 5.33 fc.	tion of the platforr	n was measur	ed at the loo	ation in	dicated a	and found to av	/erage
		ixtures have dirt, o	dust and insec	ts in the len	ses. Th	nis imped	es the light out	 tput and
	could lead to	premature lamp	and fixture fail	ure.				
	 -	PLATE	ORM LIGH	ITING LEVE	LS (fc)	<u> </u>		
TRA	CKS{							
	see rem	arks avg 5.33		arks see re	marks	see rem	arks see rema	arks

NORTHBOUND/SOUTHBOUND PLATFORM

Cannondale	CONN. [DEPT O	TRAN	SPORT	ATION
New Haven-Danbury Branch	STATIO	N INSPE	CTION	REPOF	RT
January 23, 2002	SHEET	4	_ OF _	25	_
Parsons Brinckerhoff				•	-
Jim Connell & Dave Lang					
A.M.					
Clear					
	New Haven-Danbury Branch January 23, 2002 Parsons Brinckerhoff Jim Connell & Dave Lang A.M.	New Haven-Danbury Branch January 23, 2002 Parsons Brinckerhoff Jim Connell & Dave Lang A.M.	New Haven-Danbury Branch January 23, 2002 Parsons Brinckerhoff Jim Connell & Dave Lang A.M.	New Haven-Danbury Branch January 23, 2002 Parsons Brinckerhoff Jim Connell & Dave Lang A.M.	New Haven-Danbury Branch January 23, 2002 Parsons Brinckerhoff Jim Connell & Dave Lang A.M.

PLATFORM --- SERVICE

Voltage Rating (V)	120/240			Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	n/a Undergrour		X
Rating of Main Breaker (A)	unknown			Pole	Х	Transformer	n/a
		Code Compliant		Yes	Х	No	n/a
Quantity of Phases	1	Pole Number & Street	no number, parking lot	Wire Sizes	unk	nown	
Remarks: We were unable to goodition of the main			service enclosi	ure to verify th	e exa	ct size and	

PLATFORM --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	unknown	unknown	unknown	parking lot	unknown	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	1	platform	10/ 20	totally deteriorated
Grounding	unknown	unknown	3	platform	10/ 20	minor deterioration
Lighting Controls	unknown	unknown	3	platform	10/ 20	minor deterioration
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:	One receptacle is n	nissing its' cover.		
-				
		·		

STATION:	Cannondale	CONN. DE	EPT O	F TRAN	ISPORT	TATION
		STATION	INSPE	ECTION	REPO	RT
		SHEET _	5	_ OF _	25	_

INSPECTORS: Jim Connell & Dave Lang DATE: January 23, 2002

STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

The electrical service to the platform terminates in a pedestal type enclosure. We were unable to verify the size and condition of the main panel because the enclosure was locked. However, the enclosure was well sealed and appeared to be protecting the panel inside. There were a few non-GFCI receptacles located on the platform that should be replaced with GFCI type. Also, one of the receptacle covers was missing and should be replaced.

The platform luminaires are mounted beneath the canopy with an average lighting output of 5.33 foot-candles. Inside many of the lenses were insects and dirt, which indicate that the luminaires are no longer sealed. We suggest that the luminaires be cleaned and sealed with new gaskets to restore the designed performance of the fixtures.

STATION:	Cannondale	CONN. D	EPT OF	TRA	NSPORTATION
LINE:	New Haven - Danbury Branch	STATION	IINSPE	CTIO	N REPORT
INSPECTION DATE:	January 23, 2002	SHEET	6	OF	25
INSPECTION AGENCY / FIRM:	Parsons Brinckerhoff	_			
INSPECTORS:	J. Duncan & T. Abrahamson				
TIME OF INSPECTION:	P.M.				
WEATHER:	Humid & Cool				

PLATFORM - PLUMBING

SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS	SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS
110.		1 11 11(0		110.		1 11 1110	
All	Rain car	nopy in good condit	tion, aluminum out	ters in good c	ondition.		
		ipe downspouts in		good s	1		
	Present		good correlation				
					-		
				,			
		-					
							-

PLATFORM - FIXTURES--N/A

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

STATION:	Cannondale	CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 7 OF 25
INSPECTO	RS: J. Duncan, T. Abrahamson	DATE: <u>January 23, 2002</u>
	STATION MECHA	NICAL SUMMARY
	py is in good repair, aluminum gutte re in good repair. No maintenance	ers in good condition. The plastic pipe is required.

STATION: Cannondale

LINE: New Haven-Danbury Branch

INSPECTION DATE: May 10, 2002

INSPECTION AGENCY/FIRM: Warren & Panzer Engineers

INSPECTORS: Hortense Oliveira

WEATHER: Good

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

SHEET <u>8 of 25</u>

HAZARDOUS MATERIALS INSPECTION

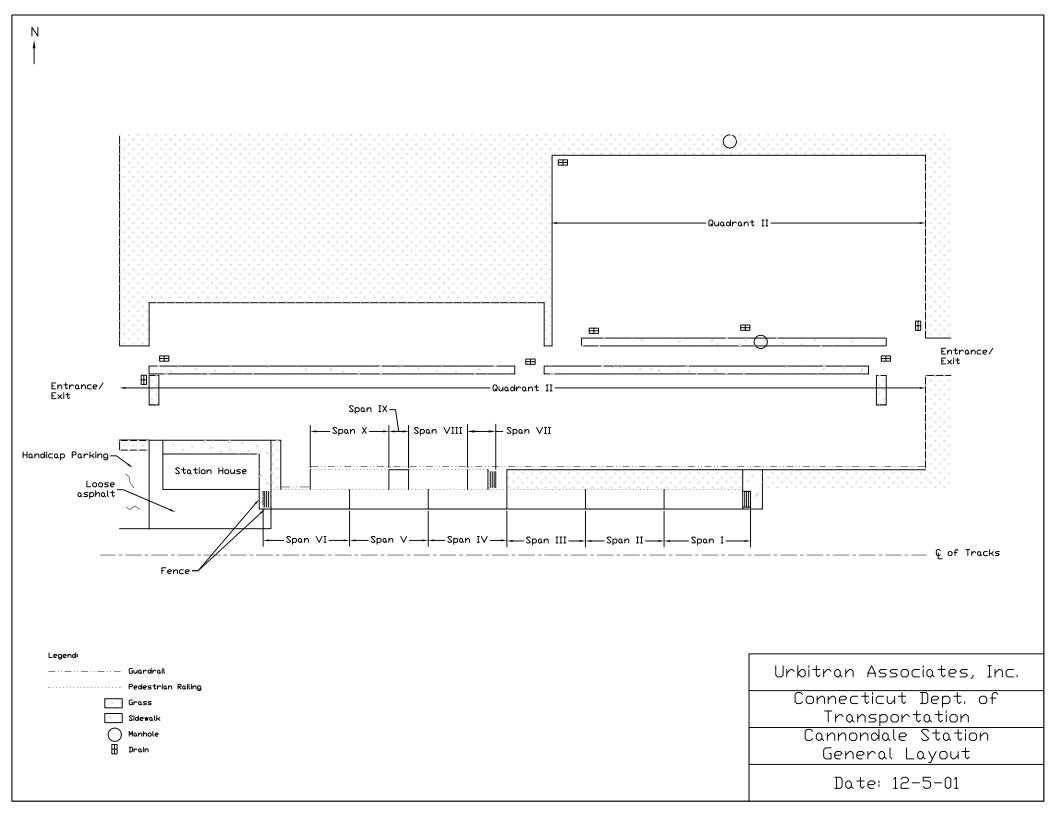
LEAD-BASED PAINT

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).

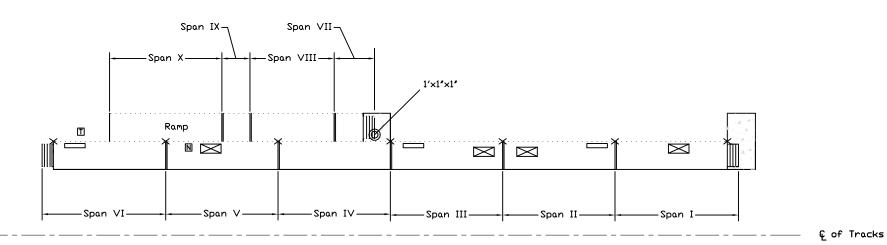
Platform

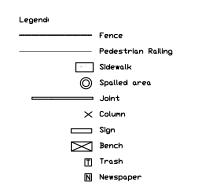
Surfaces Tested	# of Locations Tested	Lead Presence (>1 mg/cm2)	Rating
Canopy Columns	4	No	4
Canopy Beams	2	No	4
Platform Warning Strip	4	Yes	3

Lead-Based Paint was found on surfaces noted above. Painted surfaces were found to be in fair to good condition. Any future disturbance of the lead-based painted surfaces noted above should be abated by an Environmental Protection Agency/Connecticut Abatement Contractor in accordance with the EPA's 40 CFR 745, HUD's 24 CFR Part 35 and The HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, OSHA's 29 CFR 1926.62, and all other applicable regulations.









NOTES:

1. Every joint is damaged. It is either uplifted or sunken in.

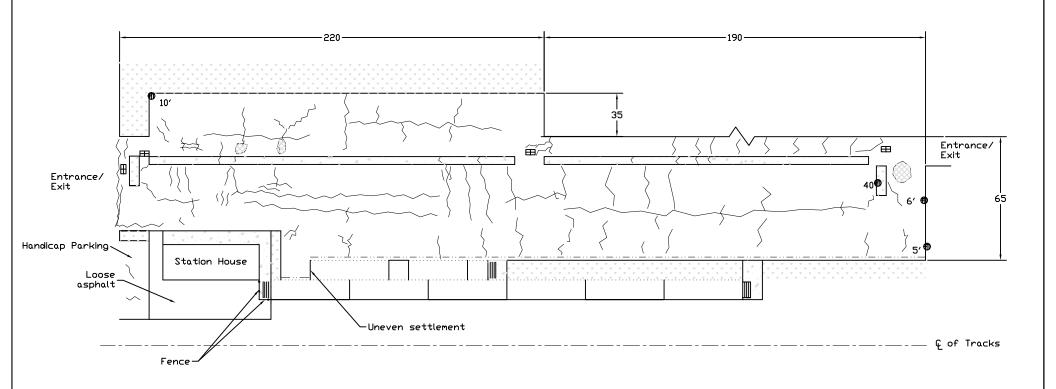
Urbitran Associates, Inc.

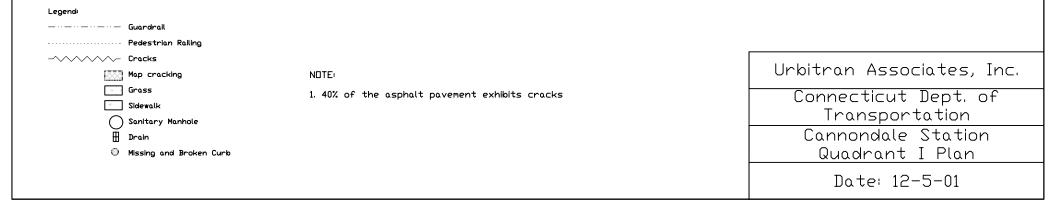
Connecticut Dept. of
Transportation

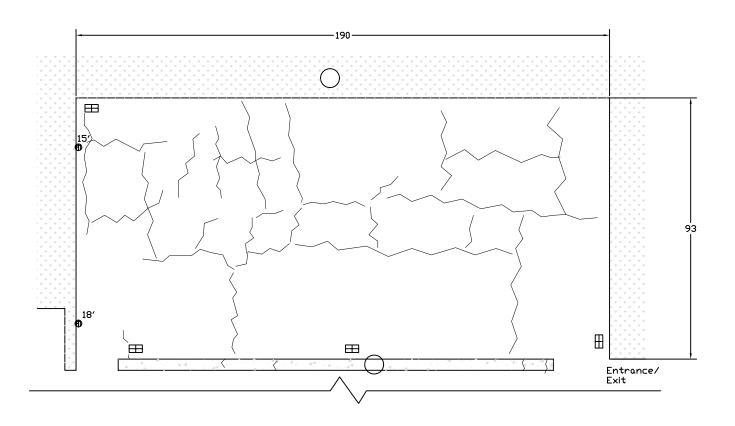
Cannondale Station
Platform Plan

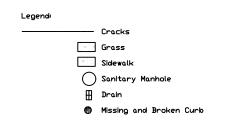
Date: 12-5-01











NOTES:

1. 30% of the asphalt pavement exhibits cracks

Urbitran Associates, Inc.

Connecticut Dept. of Transportation Cannondale Station Quadrant II Plan

Date: 12-5-01

STATION:	Cannondale	CONN. DEPT OF TRANSPORTATION
		STATION INSPECTION REPORT
		SHEET <u>13</u> OF <u>25</u>

INSPECTORS: RGW, WV DATE: 12-01-01

RA	TINGS	РНОТО	REMARKS:
NEW	PREV	NO.	<u></u>
2	1	9	Span I-X 4 - The joint material is dislodged and not tightly adhered
			to the adjacent surface
3		10	Span VII 5 - The concrete at the stair landing is spalled
2	ļ	12-13	Quad I Surface - The asphalt surface is cracked with isolated
	-		potholes, and ponding of water was observed at
	 		isolated locations; also there is vegetation growth
	+		along the center sidewalk/median
2	 	14	Quad I Landscape - Leaves are accumulating in the parking
		1	area
2		11	Quad I,II Sidewalk -The asphalt sidewalk/median is cracked
2		2	Quad I,II Curb -The asphalt curb is missing in various areas
3		15	Quad I Rail -The guardrail is rusted and dented in random
	ļ		locations
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CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 14 OF 25

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PHOTO NO. 1	
Location: West end of Quad I	
Description: General view of Quad I	
Reference: Looking East	
PHOTO NO. 2	
Location: East end of Quad I	
Description: General view of Quad I	
Reference:	
Looking West	

Cannondale WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 15 OF 25

	<u></u>
PHOTO NO. 3	
Location: Northeast corner of Quad II Description: General view of Quad II	
Reference: Looking Southwest	
PHOTO NO. <u>4</u>	
Location: Southwest corner of Quad II Description: General view of Quad II	
Reference: Looking Northeast	
	The second secon

Cannondale WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 16 OF 25 SHEET

	- -		
PHOTO NO. 5		ı	ı
Location:			
East end of the platform			
Description: General view of the			
platform			
Reference:			
Looking West			
	The second secon		
PHOTO NO. 6			
Location:			
South of the station house			
Description: General view of the			
platform			
Reference:		dale	^
Looking East		Cannonda W// PGW	
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STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 17 OF 25

PHOTO NO7	
Location: West end of the platform	
Description: General view of the canopy	
Reference: Looking East	
DUOTO NO 0	CO
PHOTO NO8 Location: West end of the platform	
Description: General view of the double-tee	
Reference: Looking East	

Cannondale WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

	SHEET <u>18</u> OF <u>25</u>	
PHOTO NO. 9 Location: Span IV Description: The joint in Span III is uplifted and can be physically moved out of its location Reference: Looking East		
PHOTO NO. 10 Location: East of Span VII		The state of

Description:

fully supported

Looking down and to the West

Reference:

Spalled concrete
(1'x1"x1") located at the at the stairs. The base plate of the railing is not

Cannondale WV, RGW

STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>19</u> OF <u>25</u>

PHOTO NO. <u>15</u>	ı
Location: East side of Quad I	
Description: Typical crack with vegetation growth in the asphalt sidewalk / median	
Reference: Looking west	
PHOTO NO. 12	
Location: North side of Quad I	
Description: Pothole 4'x1'x2" and typical cracks throughout Quad I	
Reference: Looking South	Cannondale
	TION:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>20 OF 25</u>

PHOTO NO. <u>13</u>	ı
Location: North side of Quad I	
Description: Typical map cracking in Quad I. Note that similar cracking exists in Quad II	
Reference: Looking South	
PHOTO NO14	
Location: Northwest corner of Quad I Description:	
Typical overflow of leaves into Quad I	
Reference: Looking East	Cannondale WV, RGW
	ATION: PECTORS:

STA

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 21 OF 25 SHEET

	
PHOTO NO. <u>15</u>	
Location: Southeast corner of Quad I Description:	
Typical rust and random dents in the guardrail	
Reference: Looking south	
PHOTO NO. 16 Location: West of the platforms ramp Description: The asphalt contains uneven walking surface where the platform ramp intersects the asphalt pavement	
Reference: Looking East	Gamondalo

WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 22 OF 25

<u></u> 01 <u></u>			
PHOTO NO17 Location: parking lot Description: electrical service pole Reference: Platform Service Section			
PHOTO NO18 Location:		Jave Lang	
Platform Service Section	STATION: Cannondale	INSPECTORS: Jim Connell & Dave Lang	

CONN. DEPT OF TRANSPORTATION

PHOTO NO19 Location:	
Platform Electrical	
PHOTO NO20 Location:	

STATION: Cannondale
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 24 OF 25

PHOTO NO. <u>21</u>	
Location: CANNONDALE STATION	
Description: Platform with gutters and downspouts (Typical) Reference:	
Mechanical	
PHOTO NO. 22 Location:	
Description:	
Reference:	
	CTATION:

STATION: INSPECTORS:

CANNONDALE J. Duncan & T. Abrahamson

Cannondale Station				Sheet_
Description	Units	Quantity	Price / Unit	Total Cost
Repair potholes and ponding				
-Remove asphalt	yd³	1295.00	\$22.00	\$28,490.00
-6" asphalt top course and binder course	yd²	3580.00	\$25.00	\$89,500.00
-7" aggregate base	yd ³	696.00	\$20.00	\$13,920.00
Repair expansion joint	ft	130.00	\$9.00	\$1,170.00
Repair/replace platform receptacles	EACH	6.00	\$50.00	\$300.00
Repair/replace canopy luminaire lenses	EACH	12.00	\$200.00	\$2,400.00
Mobilization / Demobilization (10%)	·.			\$13,578.00
				·
Sub-total				\$149,358.00
Contingency (20%)				\$29,871.60
Grand Total				\$179,229.60
Say				\$180,000.00