

CONNECTICUT  
DEPARTMENT  
OF  
TRANSPORTATION



CONDITION INSPECTION  
CANNONDALE 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: Cannondale  
LINE: Danbury  
INSPECTION DATE: 12-1-01  
INSPECTION AGENCY / FIRM: UA  
INSPECTORS: WV, RGW  
WEATHER: Sunny, 60's

CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
SHEET 2 OF 25

### 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; \_\_\_\_\_ 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: 5

FENCE AND GUARDRAIL: 5

LANDSCAPE: 3

SIDEWALK: 2

CURB: 2



STATION: Cannondale  
 LINE: New Haven-Danbury Branch  
 INSPECTION DATE : January 23, 2002  
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff  
 INSPECTORS: Jim Connell & Dave Lang  
 TIME OF INSPECTION: A.M.  
 WEATHER: Clear

CONN. DEPT OF TRANSPORTATION  
 STATION INSPECTION REPORT  
 SHEET 4 OF 25

**PLATFORM --- SERVICE**

Voltage Rating (V)	120/240	Type of 3 phase connection		Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	n/a	Underground	X
Rating of Main Breaker (A)	unknown	Origin of Service		Pole	X	Transformer	n/a
		Code Compliant		Yes	X	No	n/a
Quantity of Phases	1	Pole Number & Street	no number, parking lot	Wire Sizes	unknown		

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

**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 missing its' cover.

STATION: Cannondale

CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
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. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
SHEET 7 OF 25

INSPECTORS: J. Duncan, T. Abrahamson

DATE: January 23, 2002

**STATION – MECHANICAL SUMMARY**

The rain canopy is in good repair, aluminum gutters in good condition. The plastic pipe downspouts are in good repair. No maintenance 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  
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**HAZARDOUS MATERIALS INSPECTION**

**LEAD-BASED PAINT**

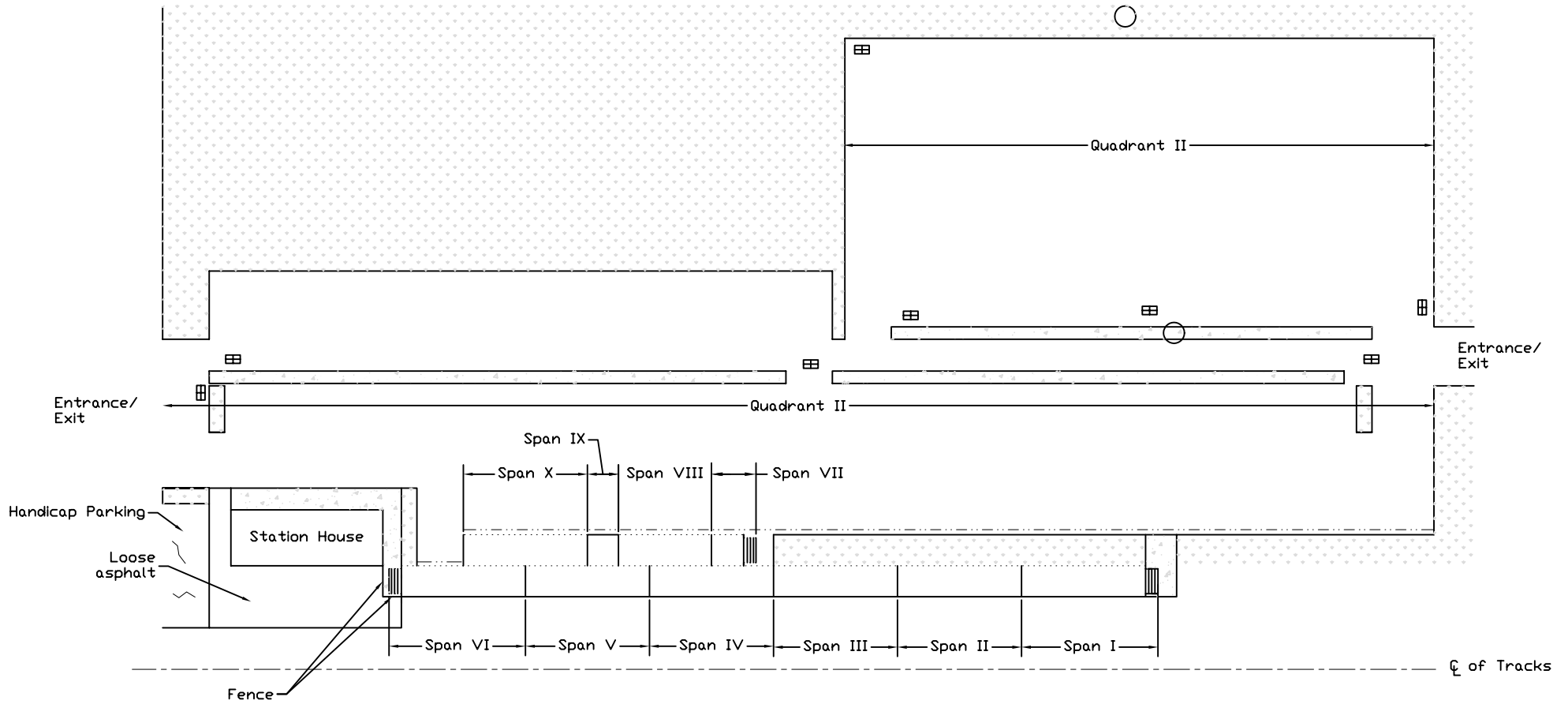
Note: The LBP inspection was conducted using an RMD LPA-1 spectrum X-Ray Fluorescence Analyzer (XRF). The Department of Housing and Urban Development (HUD) recommend XRF analysis for inspection of lead in paint. XRF readings were taken of surfaces coated with suspect LBP. The XRF was operated in "Quick 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**

<b>Surfaces Tested</b>	<b># of Locations Tested</b>	<b>Lead Presence (&gt;1 mg/cm2)</b>	<b>Rating</b>
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.

N  
↑



Legend:

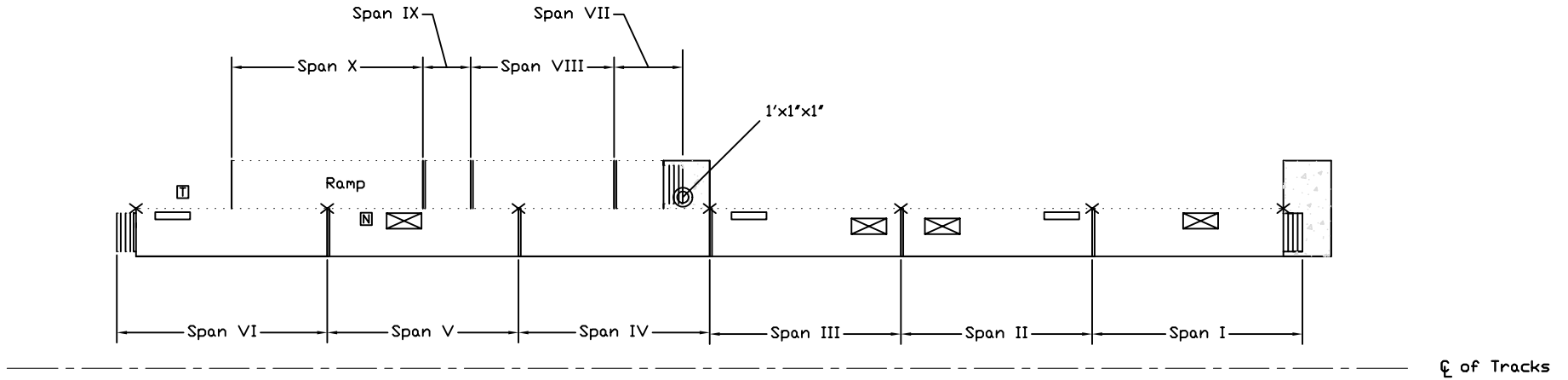
- Guardrail
- ..... Pedestrian Railing
- Grass
- Sidewalk
- Manhole
- ▣ Drain

Urbitran Associates, Inc.

Connecticut Dept. of  
Transportation  
Cannondale Station  
General Layout

Date: 12-5-01

N  
↑



Legend:

- Fence
- Pedestrian Railing
- ▭ Sidewalk
- ⊙ Spalled area
- Joint
- × Column
- ▭ Sign
- ⊗ Bench
- ▭ Trash
- ▭ Newspaper

NOTES:

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

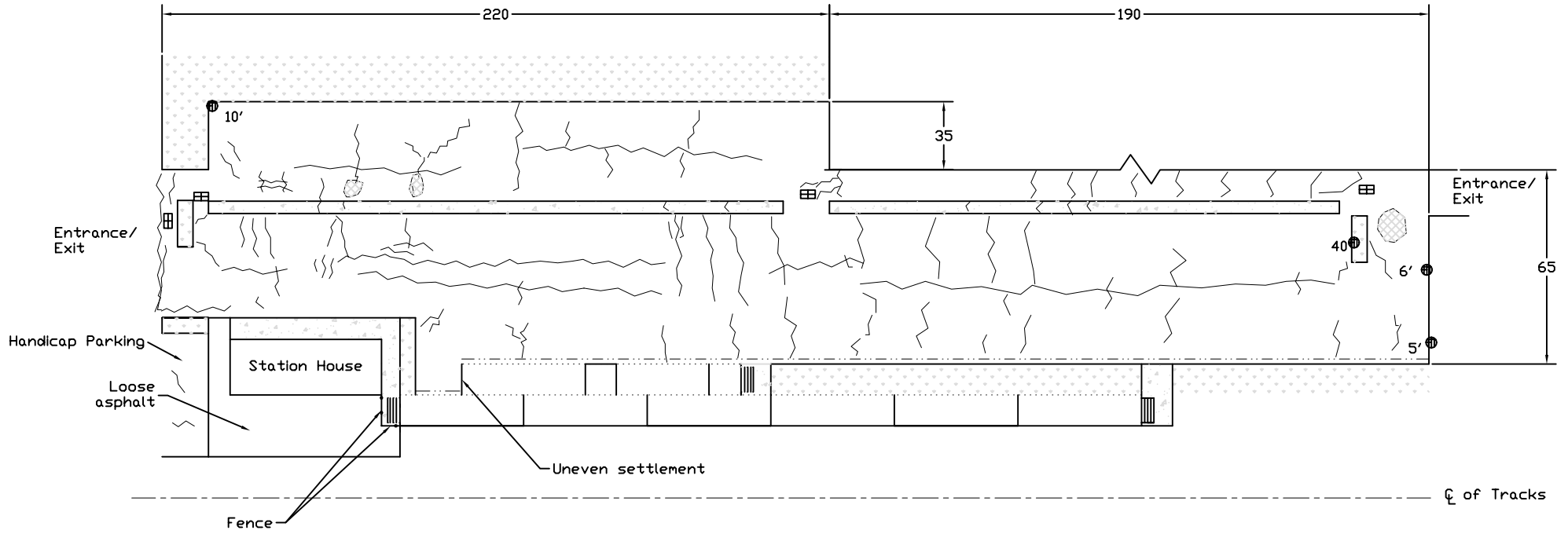
Urbitran Associates, Inc.

Connecticut Dept. of  
Transportation

Cannondale Station  
Platform Plan

Date: 12-5-01

N  
↑



Legend:

- Guardrail
- Pedestrian Railing
- ~~~~~ Cracks
- ▨ Map cracking
- Grass
- Sidewalk
- Sanitary Manhole
- ⊞ Drain
- ⊙ Missing and Broken Curb

NOTE:

1. 40% of the asphalt pavement exhibits cracks

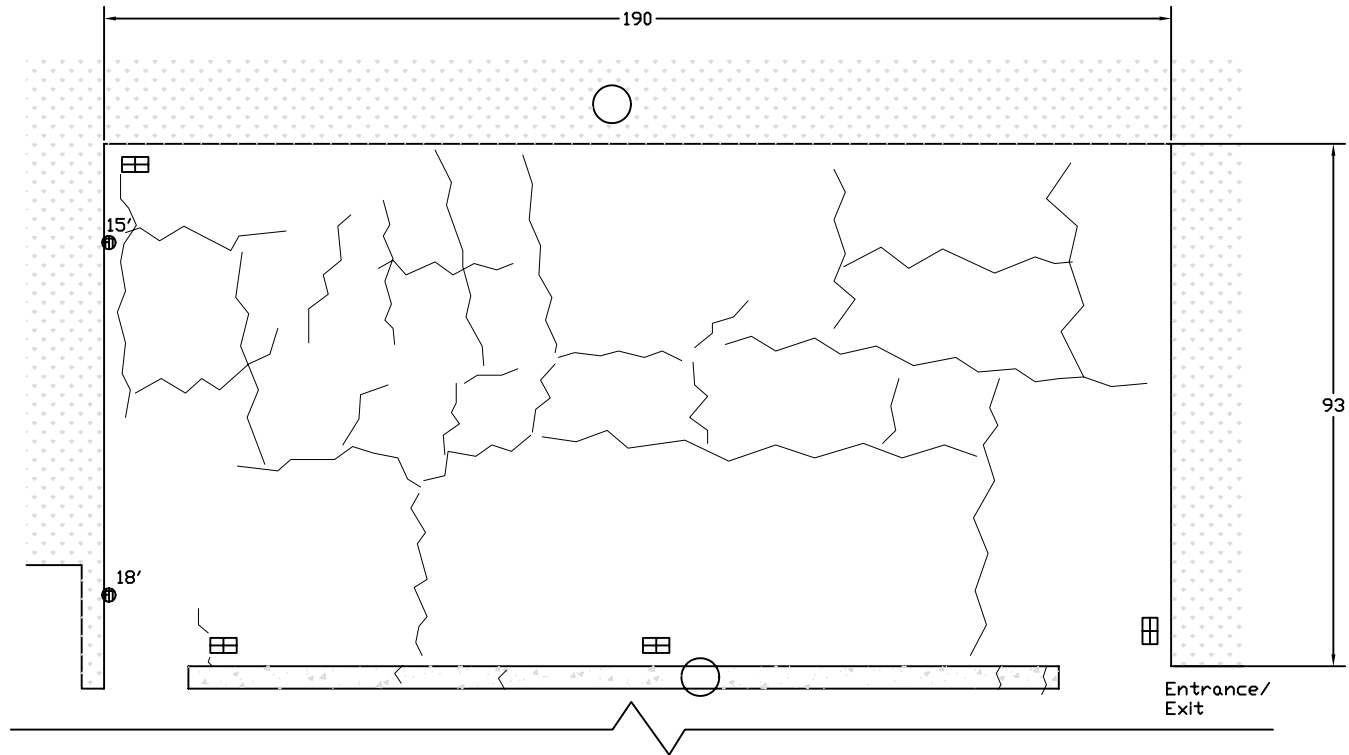
Urbitran Associates, Inc.

Connecticut Dept. of  
Transportation

Cannondale Station  
Quadrant I Plan

Date: 12-5-01

N  
↑



Legend:

- Cracks
- ▭ Grass
- ▭ Sidewalk
- Sanitary Manhole
- ▩ Drain
- ⊕ Missing and Broken Curb

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



CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
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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



STATION: Cannondale

INSPECTORS: WV, RGW



CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
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PHOTO NO. 3

Location: \_\_\_\_\_  
Northeast corner of  
Quad II

Description: \_\_\_\_\_  
General view of Quad II

Reference: \_\_\_\_\_  
Looking Southwest



PHOTO NO. 4

Location: \_\_\_\_\_  
Southwest corner of  
Quad II

Description: \_\_\_\_\_  
General view of Quad II

Reference: \_\_\_\_\_  
Looking Northeast



STATION: Cannondale

INSPECTORS: WV, RGW

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

Location: \_\_\_\_\_  
East end of the platform

Description: \_\_\_\_\_  
General view of the platform

Reference: \_\_\_\_\_  
Looking West



PHOTO NO. 6

Location: \_\_\_\_\_  
South of the station house

Description: \_\_\_\_\_  
General view of the platform

Reference: \_\_\_\_\_  
Looking East



STATION: Cannondale

INSPECTORS: WV, RGW

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

PHOTO NO. 7

Location: \_\_\_\_\_  
West end of the platform

Description: \_\_\_\_\_  
General view of the canopy

Reference: \_\_\_\_\_  
Looking East



PHOTO NO. 8

Location: \_\_\_\_\_  
West end of the platform

Description: \_\_\_\_\_  
General view of the double-tee

Reference: \_\_\_\_\_  
Looking East



STATION: Cannondale  
INSPECTORS: WV, RGW

CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
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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

Description: \_\_\_\_\_  
Spalled concrete  
(1'x1"x1") located at the  
at the stairs. The base  
plate of the railing is not  
fully supported

Reference: \_\_\_\_\_  
Looking down and to  
the West



STATION: Cannondale

INSPECTORS: WV, RGW

CONN. DEPT OF TRANSPORTATION  
STATION INSPECTION REPORT  
SHEET 19 OF 25

PHOTO NO. 15

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



STATION: Cannondale

INSPECTORS: WV, RGW

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

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 NO. 14

Location: \_\_\_\_\_  
Northwest corner of  
Quad I

Description: \_\_\_\_\_  
Typical overflow of  
leaves into Quad I

Reference: \_\_\_\_\_  
Looking East



STATION: Cannondale

INSPECTORS: WV, RGW

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

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



STATION: Cannondale  
INSPECTORS: WV, RGW

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

Location:  
parking lot

Description:  
electrical service  
pole

Reference:  
Platform Service  
Section



PHOTO NO. 18

Location:  
parking lot

Description:  
electrical service  
pedestal enclosure

Reference:  
Platform Service  
Section



STATION: Cannondale  
INSPECTORS: Jim Connell & Dave Lang



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

Location:  
platform

Description:  
damaged a  
platform receptacle

Reference:  
Platform Electrical  
Systems Section



PHOTO NO. 20

Location:  
platform

Description:  
platform lighting  
& speakers

Reference:  
Platform Lighting  
Section



STATION: Cannondale  
INSPECTORS: Jim Connell & Dave Lang

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

Location: CANNONDALE  
STATION

Description: Platform with  
gutters and  
downspouts  
(Typical)

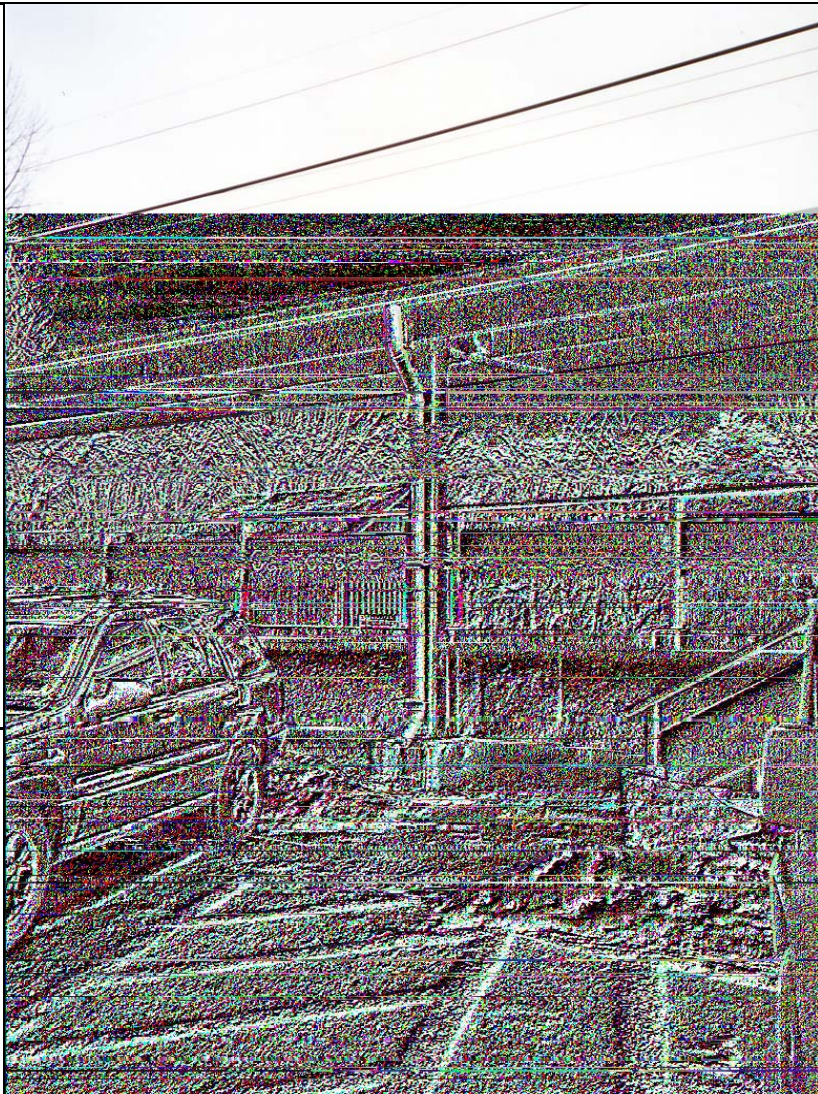
Reference: Mechanical

PHOTO NO. 22

Location: \_\_\_\_\_

Description: \_\_\_\_\_

Reference: \_\_\_\_\_



STATION: CANNONDALE

INSPECTORS: J. Duncan & T. Abrahamson

**Cannondale Station**

Description	Units	Quantity	Price / Unit	Total Cost
<b>Repair potholes and ponding</b>				
-Remove asphalt	yd <sup>3</sup>	1295.00	\$22.00	\$28,490.00
-6" asphalt top course and binder course	yd <sup>2</sup>	3580.00	\$25.00	\$89,500.00
-7" aggregate base	yd <sup>3</sup>	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