

CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



CONDITION INSPECTION
FOR THE
RIVERSIDE 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: Riverside
LINE: New Haven
INSPECTION DATE: 1/27/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: SS, RGW
WEATHER: Sinny 50's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 4 OF 58

PARKING ELEMENTS

QUADRANT # I

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: 3

SIDEWALK: 2

CURB: 3

QUADRANT # II

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: 2

LANDSCAPE: 3

SIDEWALK: 3

CURB : 3

STATION: Riverside
LINE: New Haven
INSPECTION DATE: 1/27/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: SS, RGW
WEATHER: Sinny 50's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 5 OF 58

PARKING ELEMENTS

QUADRANT # III

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: 2

LANDSCAPE: 3

SIDEWALK: 5

CURB: 3

QUADRANT # IV

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: 3

SIDEWALK: 2

CURB : 2

STATION: Riverside
LINE: New Haven
INSPECTION DATE: 1/27/02
INSPECTION AGENCY / FIRM: UA
INSPECTORS: SS, RGW
WEATHER: Sinny 50's

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 6 OF 58

PARKING ELEMENTS

QUADRANT # V

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

CONDITION OF PAVED SURFACE: 3

CONDITION OF STRIPING: 5

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

SIGNAGE: 3

FENCE AND GUARDRAIL: 5

LANDSCAPE: 3

SIDEWALK: 5

CURB: 3

STATION: Riverside
 LINE: New Haven
 INSPECTION DATE : January 9, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: A.M.
 WEATHER: Clear and Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 7 OF 58

NORHTBOUND AND SOUTHBOUND PLATFORMS --- LIGHTING

Span Number	Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
all except canopy	HID-MH	Gardco	MA171FM	3	3	3/ 20	minor deterioration
canopy	4 ft fluorescent	unknown	unknown	1	3	18/ 20	totally deteriorated

Remarks: A typical section of the platform was measured at the location indicated and found to average 11 and 9.2 fc on the southbound and northbound platforms respectively.
Most of the platform canopy luminaires are missing lenses. We found that the pedestrian lighting in the overpass connecting the two platforms was extremely low with levels of 0.2 fc.

NORTHBOUND AND SOUTHBOUND PLATFORMS --- LIGHTING LEVELS (fc)

NORTHBOUND PLATFORM					
see remarks	avg 9.2	see remarks	see remarks	see remarks	see remarks
TRACKS----{					
see remarks	avg 11	see remarks	avg 12.29 Canopy	see remarks	see remarks
SOUTHBOUND PLATFORM					

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 WEATHER: Clear and Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 8 OF 58

NORTHBOUND AND SOUTHBOUND PLATFORMS --- 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)	see remarks	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: Electrical service to the southbound platform originates from the station building. The northbound platform has a separate electrical service to an enclosure located on the platform. We were unable to gain access to the electrical enclosure to verify the size and condition of the main circuit breaker in the northbound platform enclosure.

NORTHBOUND AND SOUTHBOUND PLATFORMS --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	unknown	unknown	unknown	unknown	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	18/ 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	n/a	n/a	operational
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: _____

STATION: Riverside

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 9 OF 58

INSPECTORS: Jim Connell & Dave Lang

DATE: January 9, 2002

STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

Circuits from the building panelboard service the platform power. Several of the light poles have GFCI type receptacles and are in good working condition.

The light poles on the platform are relatively new and provide an average of 11 foot-candles on the southbound platform and 9.2 foot-candles on the northbound platform. The luminaires mounted beneath the canopy maintain 12.29 foot-candles but all the fixtures are missing lenses. Without the lenses, the fixture are exposed to harsh environmental conditions and do not perform as designed. We suggest that the under canopy luminaires be replaced with appropriate lighting fixtures, since fixture failure is imminent. The pedestrian bridge lighting over the train tracks between platforms maintains 0.2 foot-candles. Considering the large amount of pedestrian traffic during the hours of darkness, it is advisable that more luminaires be installed to improve the lighting conditions.

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CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 10 OF 58

STATION BUILDING --- LIGHTING

Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
4 ft fluorescent	unknown	unknown	3	3	18/ 20	minor deterioration
Exit	unknown	unknown	3	3	18/ 20	minor deterioration
Emergency Egress	unknown	unknown	3	3	18/ 20	minor deterioration

Remarks: A typical section of the waiting room was measured and found to average 6.7 fc.

STATION BUILDING --- LIGHTING LEVELS (fc)

ROOM DESC: waiting room

	A	B	C	D
1	avg 6.7			
2				
3				
4				

ROOM DESC: not used

	A	B	C	D
1				
2				
3				
4				

ROOM DESC: not used

	A	B	C	D
1				
2				
3				
4				

ROOM DESC: not used

	A	B	C	D
1				
2				
3				
4				

STATION: Riverside
 LINE: New Haven
 INSPECTION DATE : January 9, 2002
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 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: A.M.
 WEATHER: Clear and Cold

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 11 OF 58

STATION BUILDING --- SERVICE

Voltage Rating (V)	120/240	Type of 3 phase connection		Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	X	Underground	n/a
Rating of Main Breaker (A)	100	Origin of Service		Pole	X	Transformer	n/a
		Code Compliant		Yes	X	No	n/a
Quantity of Phases	1	Pole Number & Street	SNET 1874 Wilmont Ln	Wire Sizes	unknown		

Remarks: The utility transformer is located on another pole SNET 1875.

STATION BUILDING --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	Gould	unknown	3	electrical room	18/ 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	throughout	18/ 20	minor deterioration
Grounding	unknown	unknown	unknown	unknown	unknown	unknown
Lighting Controls	unknown	unknown	3	throughout	18/ 20	minor deterioration
Public Telephone	n/a	n/a	n/a	n/a	n/a	n/a
Station Telephone	unknown	n/a	n/a	waiting room	n/a	operational
Sub Panel	ITE Pushmatic	unknown	3	electrical room	18/ 20	minor deterioration

Remarks: There are very few receptacles located in the building.

STATION: Riverside
 LINE: New Haven
 INSPECTION DATE : January 9, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: A.M.
 WEATHER: Clear and Cold

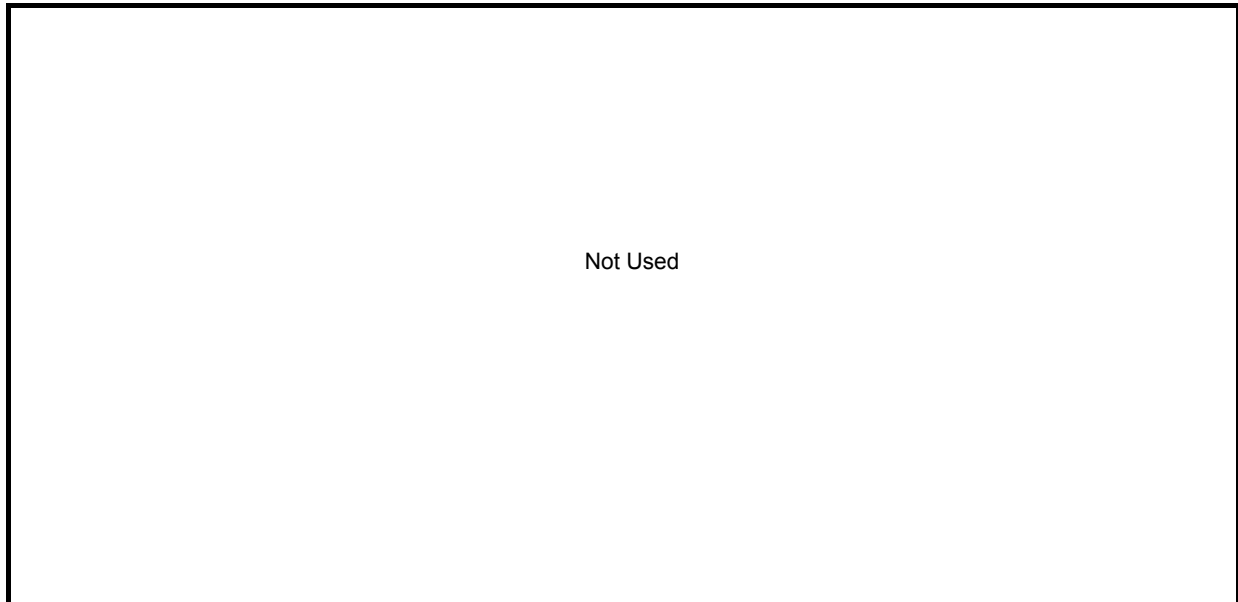
CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 12 OF 58

STATION BUILDING --- FIRE ALARM SYSTEM

Fire Alarm Device	Manufacturer	Model Number	Rating	Quantity	Location	Estimated Age/Life(y/y)	Visual Condition
Fire Alarm Control Panel	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Heat Detector	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Smoke Detector	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pull Station	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Annunciator	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Audio/Visual Device	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: There is no fire detection system in this building.

STATION BUILDING --- SKETCHES



STATION: Riverside

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 13 OF 58

INSPECTORS: Jim Connell & Dave Lang

DATE: January 9, 2002

STATION BUILDING --- ELECTRICAL AND LIGHTING SUMMARY

The electrical service is routed overhead from a service pole and then terminates at a utility meter mounted on the exterior of the building. The electrical system has minor deterioration, but functions as originally designed.

The station lighting maintains at least an average of 6.7 foot-candles. This value exceeds the minimal value as recommended by the IESNA. Exit and egress lighting is operational and meets the requirements of NFPA 101.

There is no fire detection system in the building and, therefore, cannot meet the requirements of ADA with visual signal devices located in all common spaces or NFPA 72.

STATION: Riverside
LINE: New Haven
INSPECTION DATE : January 9, 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 14 OF 58

BUILDING -- HVAC - Fire Protection

BOILER: N/A

WATER HEATER: No hot water

FUEL TYPE: N/A

HEATING UNIT: Lennox unit- fuel is natural gas. Air distribution above the ceiling through small registers along the perimeter. Unit working but not in excellent condition. It might work 3-5 years. Lack of maintenance. Return grille is dirty, traces of rust.

FUEL TYPE: Natural Gas

HEATING FILTER: Unknown

AC/HEATING UNIT: No air conditioning, heating only

AC FILTER: N/A

DUCTS: In attic good condition

OF DAMPERS: N/A

CONDITION OF DAMPERS: N/A

THERMOSTATS: Not Observed

NIGHT SET BACK: Unknown

Fire Protection - No Sprinklers

STATION: Riverside
 LINE: New Haven
 INSPECTION DATE : January 9, 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 15 OF 58

NORTHBOUND AND SOUTHBOUND PLATFORMS - PLUMBING

SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS	SPAN NO.	GUTTER	DOWNSPOUT/ PIPING	CLEAN-OUTS
All	downspouts on platform are in good condition, they feed into a drainage system						

PLATFORM - FIXTURES -- N/A

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

Additional Notes
 Platform roof rusted needs repair

Across track from Station house there is an additional shelter that is being repaired.

STATION: Riverside
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INSPECTION DATE : January 9, 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 16 OF 58

BUILDING - PLUMBING

RESTROOM

PIPING: Rusted
WATER PRESSURE: Normal
DRAINS: OK
FAUCET/FIXTURES:
* MODEL: Unknown
* YEAR: Unknown
* MANUFACTURER: American Standard
* CONDITION: Good Repair

No water heater, no hot water

Men's Room

1 Urinal - Good Repair
1 Toilet - Good Repair
1 Lavatory - Good Repair
All Handicapped fixtures
Handicapped accessible
No water conservation fixtures
Area conditions acceptable but
dividing short wall is rusted - Deficient,
needs maintenance or replacement

KITCHEN

PIPING: _____
WATER PRESSURE: _____
DRAINS: _____
FAUCET/FIXTURES: _____ N/A
* MODEL: _____
* YEAR: _____
* MANUFACTURER: _____
* CONDITION: _____

Women's Room

1 Toilet American Standard
1 Lavatory
Area handicapped accessible
No water conservation
Fixtures are handicapped type
Fixtures are in good condition

EXTERIOR

SPRINKLER:
FACET/FIXTURES:
* MODEL: _____ N/A
* YEAR: _____
* MANUFACTURER: _____
* CONDITION: _____

Janitor's Closet

Slop sink. No hot water.
Some leaks on the floor observed.

Building Gutters in good condition
2 downspouts in front of building are in good condition
2 downspouts in back of building are in good condition

STATION: Riverside

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 17 OF 58

INSPECTORS: J. Duncan, T. Abrahamson

DATE: January 9, 2002

STATION – MECHANICAL SUMMARY

HVAC

The station is equipped with a heating system only, no air conditioning. The existing Lennox unit is working but requires regular maintenance. The heating unit is expected to last another 3-5 years with proper maintenance. The air return grille also requires cleaning and maintenance on a regular basis.

The air distribution system ducts above the ceiling are in good condition. The air distribution grilles located in the ceiling perimeter are also in good condition.

Outside the building the pipes to the gas meter are rusted and in need of maintenance.

Plumbing

Plumbing fixtures in the men's and women's restrooms are handicapped type and in good condition. They are not marked as water conservation type and the lavatory is not equipped with hot water. Fixtures are handicapped accessible. The restrooms are in accordance with ADA. The urinal to lavatory separation wall is deteriorated. The janitor's sink requires small repairs. The station is not equipped with a domestic hot water heater. A domestic hot water system should be installed.

Storm Drainage

The platform/building gutters are in good condition. There is no need for repairs.

STATION: Riverside
 LINE: New Haven-Main 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 18 OF 58

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	3
Platform Warning Strip	1	Yes	3

Station Building

Surfaces Tested	# of Locations Tested	Lead Presence (>1 mg/cm2)	Rating
Door Lintels	1	Yes	3
Door	1	No	3

Surfaces Tested	# of Locations Tested	Lead Presence (>1 mg/cm2)	Rating
Window Frame	1	No	3
Track Electrical Poles	1	Yes	1

Lead-Based Paint was found on surfaces noted above. Painted surfaces observed were found to be in good condition except for the track electrical pole. The interior of the building was not accessible at the time of the inspection, therefore any painted surfaces that may be found shall be treated as lead containing until further testing is conducted. 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

SUSPECT ASBESTOS-CONTAINING MATERIALS

Listed below are suspect asbestos-containing materials that were observed during a visual inspection. Materials were found to be in fair to good 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
Caulking on Platform and Stairwell Seams	3

Station House

Suspect Materials	Rating
Roof Shingles	3

STATION: _____

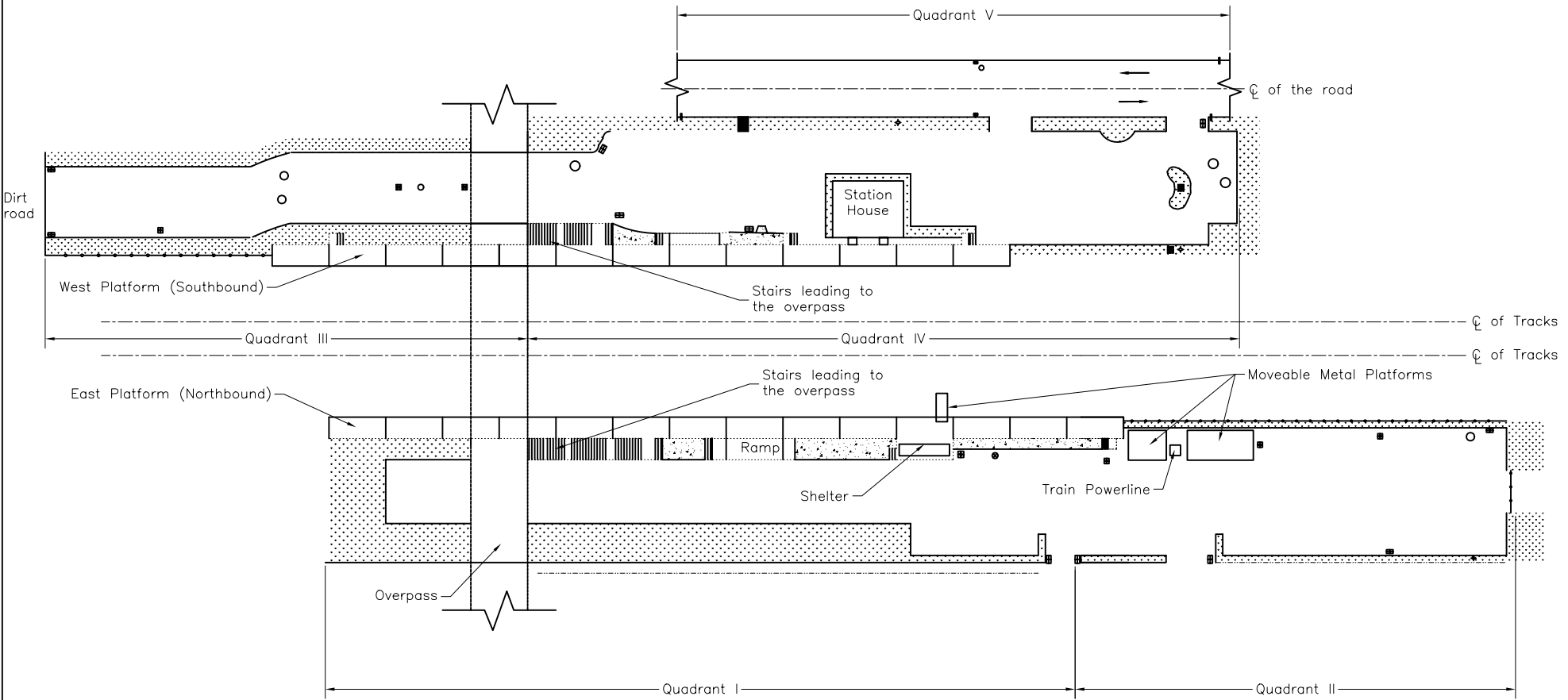
CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET _____ OF _____

INSPECTORS: _____

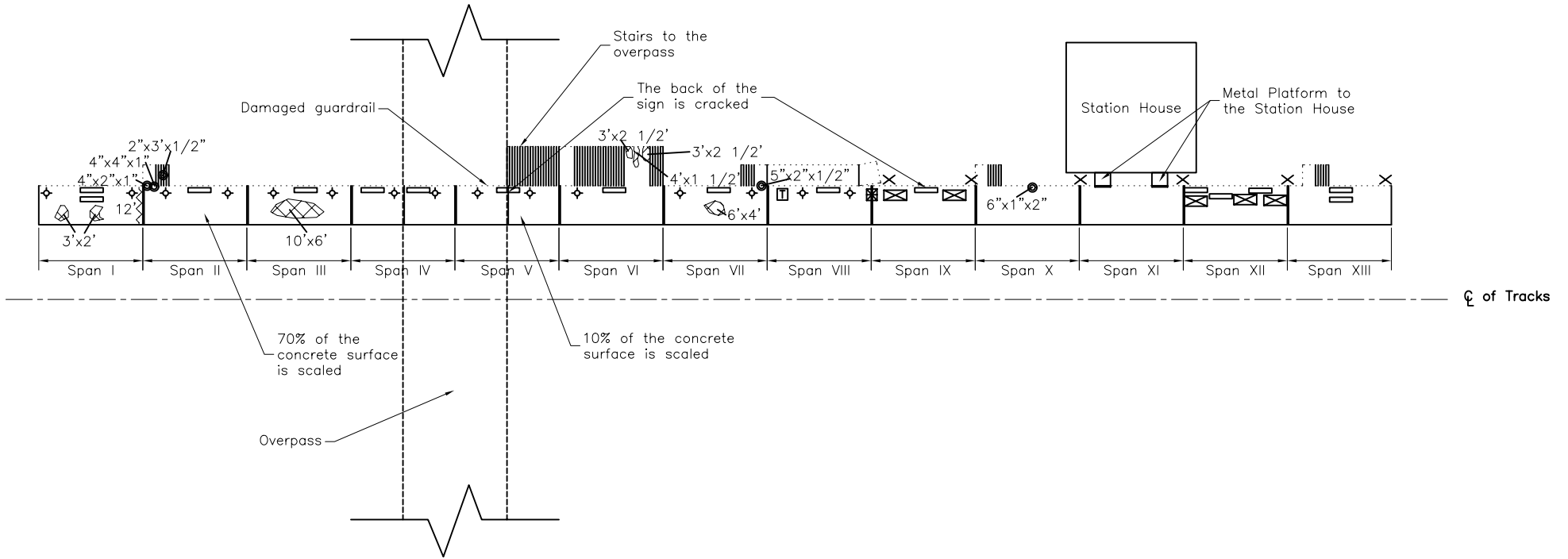
DATE: ____ / ____ / ____

SEE AUTOCAD FILE

19-27



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Connecticut Dept. of Transportation
Riverside Station General Plan
Date: 3/5/02



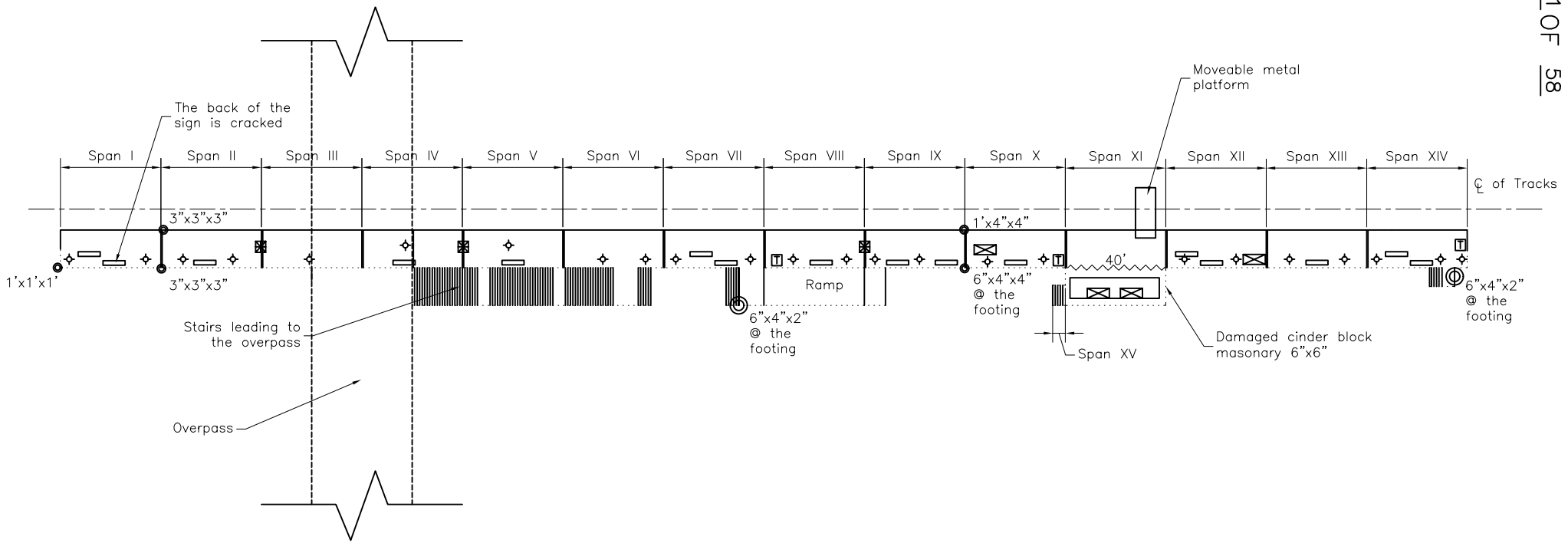
Legend:

- Pedestrian Rail
- ~~~~~ Crack
- Spalled Concrete
- ⊠ Concrete Scaling
- ◆ Light
- × Canopy Column
- ▭ Sign
- ⊞ Bench
- ⊞ Trash receptacle
- Joint
- ⊞ Train Power Line Foundation

NOTES:

1. The canopy roof (metal decking) in Spans IX–XIII are rusted, deteriorated and contain holes.
2. The base plates for the double tees are typically rusted.

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Connecticut Dept. of Transportation
Riverside Station West Platform (Southbound) Plan
Date: 3/5/02

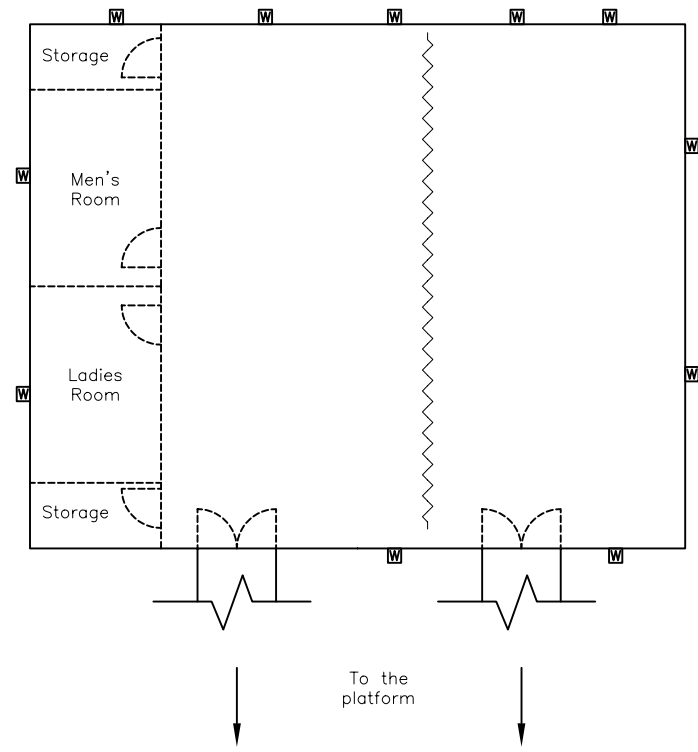


- Legend:
- Pedestrian Rail
 - ~~~~~ Crack
 - Spalled Concrete
 - ◆ Light
 - ▭ Sign
 - ⊠ Bench
 - ⊞ Trashcan
 - Joint
 - ⊞ Train Power Line

NOTES:

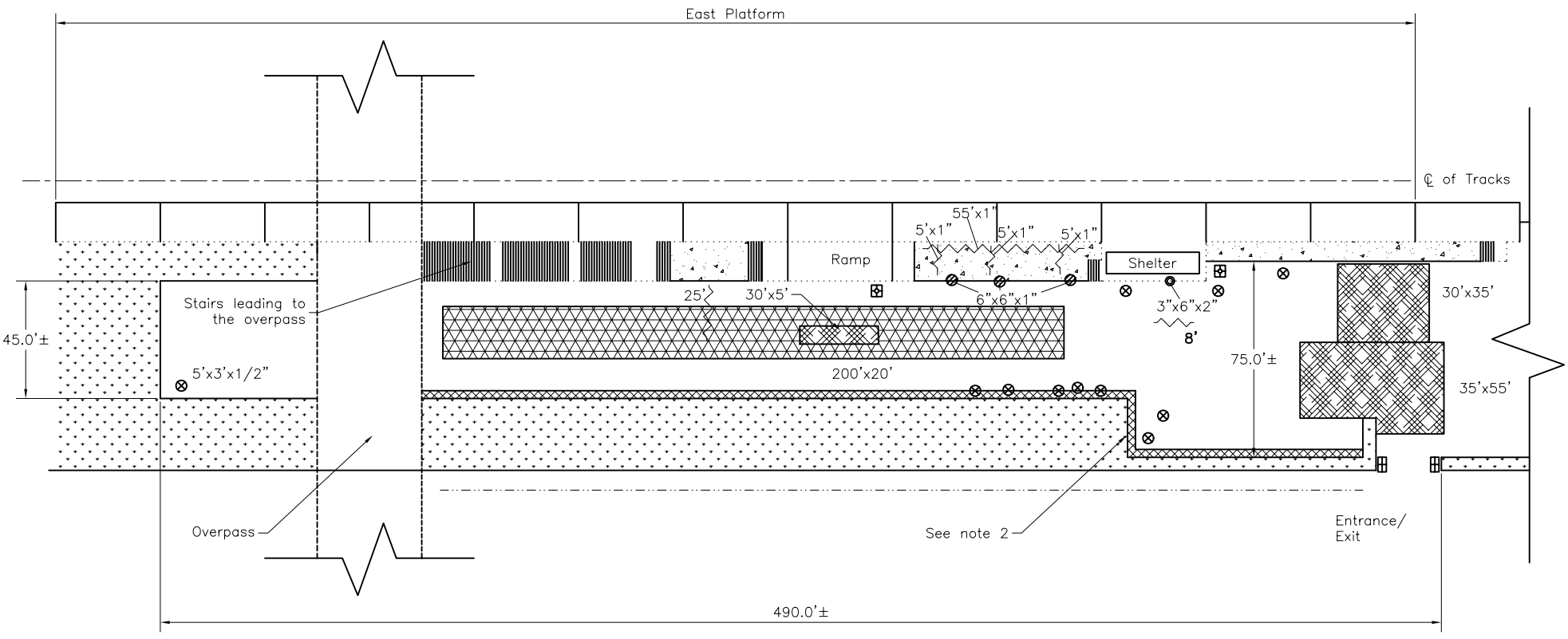
1. The base plates for the double tees are typically rusted.
2. The pedestrian railing is bent in Span I, IX, XI, and XII.
3. The train's power line foundations are typically spalled, rusted, and deteriorated.

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Riverside Station East Platform (Northbound) Plan
Date: 3/5/02



Legend:
- - - - - Crack
W Window

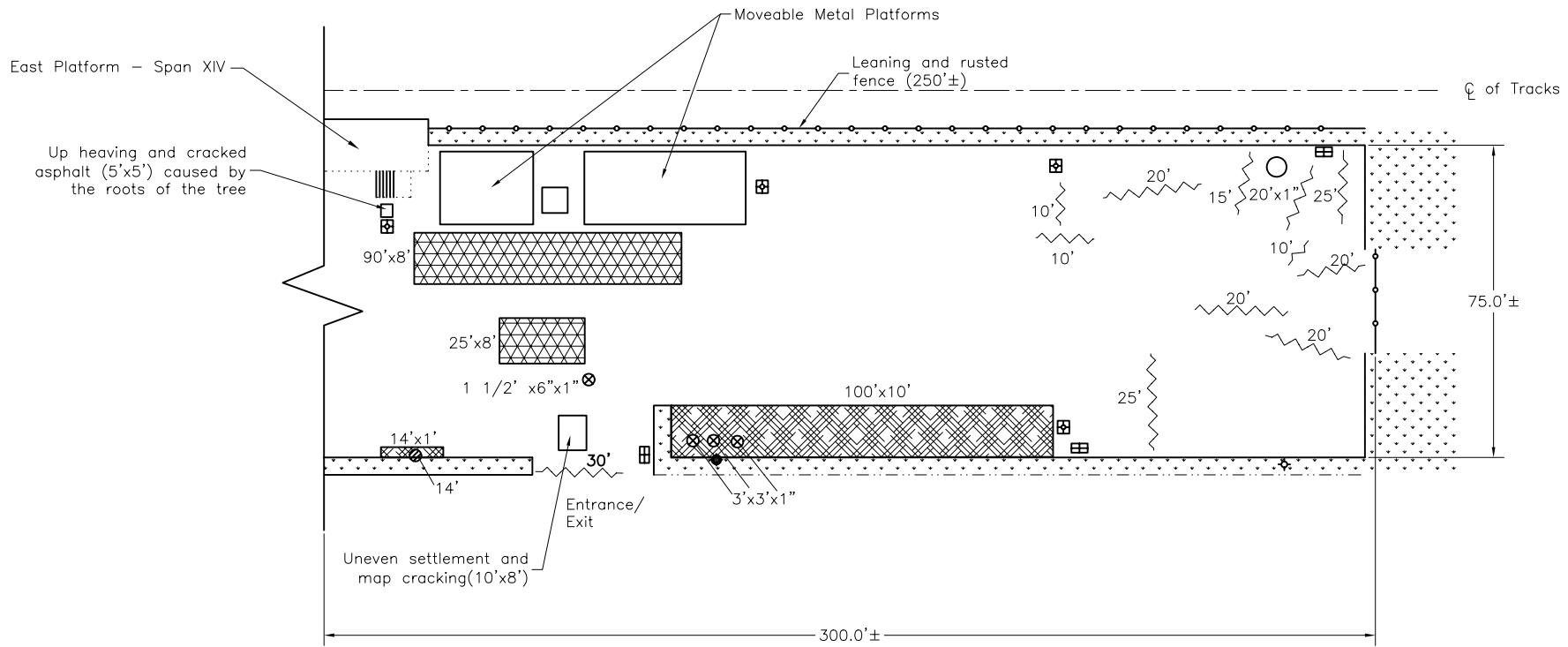
Urbitran Associates, Inc.
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Riverside Station Station House Plan
Date: 3/5/02



- Legend:
- Fence
 - Guardrail
 - Pedestrian Rail
 - Crack
 - Cracking, Potholes, and Uneven Surface
 - Filled Asphalt Cracks with Uneven Surface
 - Grass
 - Sidewalk
 - Drain
 - Pothole
 - Spalled Concrete
 - Cracked, Broken, Missing Curb
 - Tree and landscape

- NOTES:
1. The potholes vary in size from 4"x4"x1" to 5'x3'x1/2"
 2. There is mapcracking and uneven settlement along the east side (3' wide x 360')

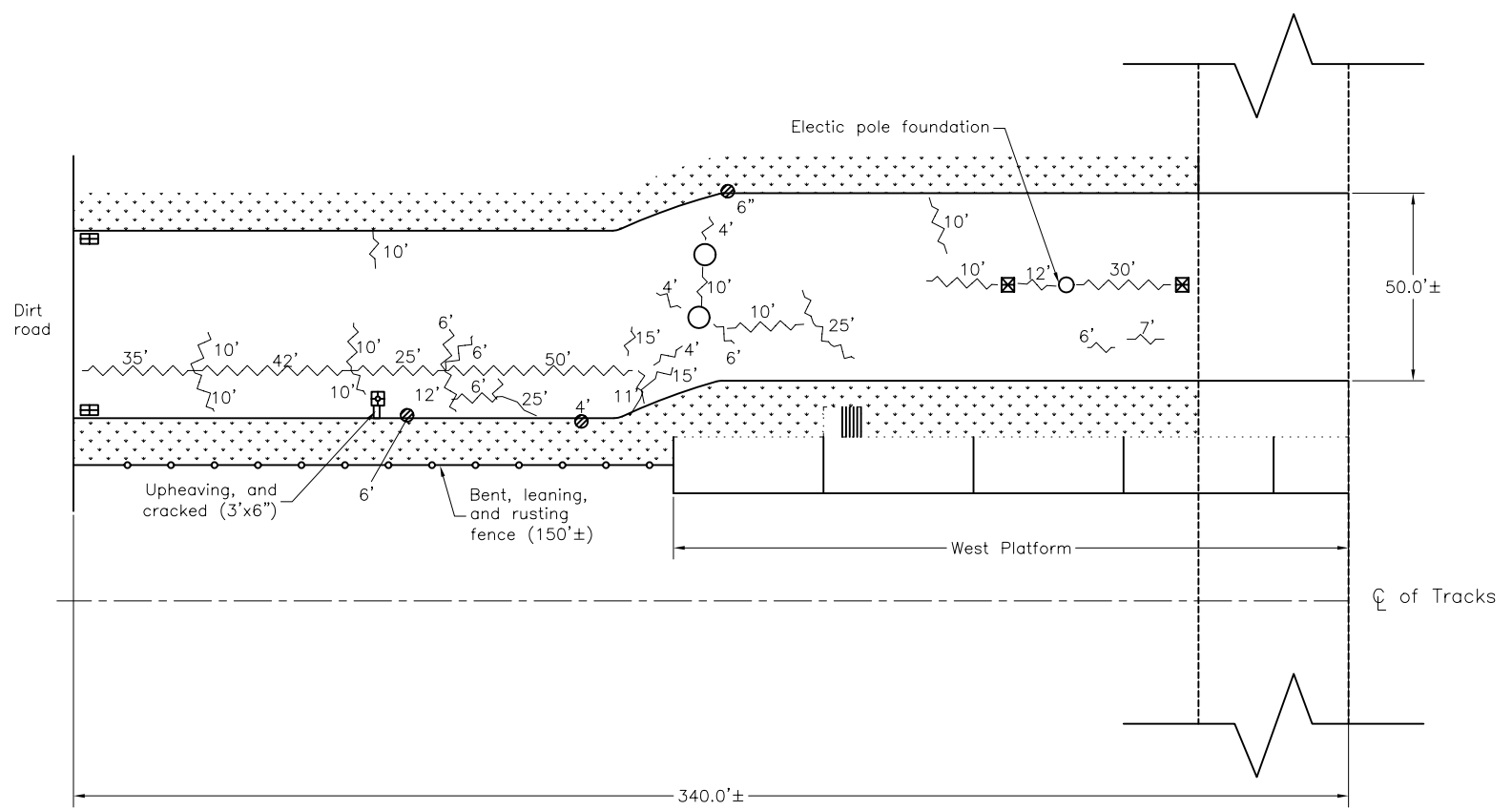
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Riverside Station Quadrant I Plan
Date: 3/5/02



Legend:

- Fence
- Guardrail
- Pedestrian Rail
- Crack
- Cracking, Potholes, and Uneven Surface
- Filled Asphalt Cracks with Map Cracking
- Grass
- Drain
- Manhole
- Electric Pole
- Light
- Pothole
- Cracked, Broken, Missing Curb
- Tree and Landscape
- Train's Powerline Foundation

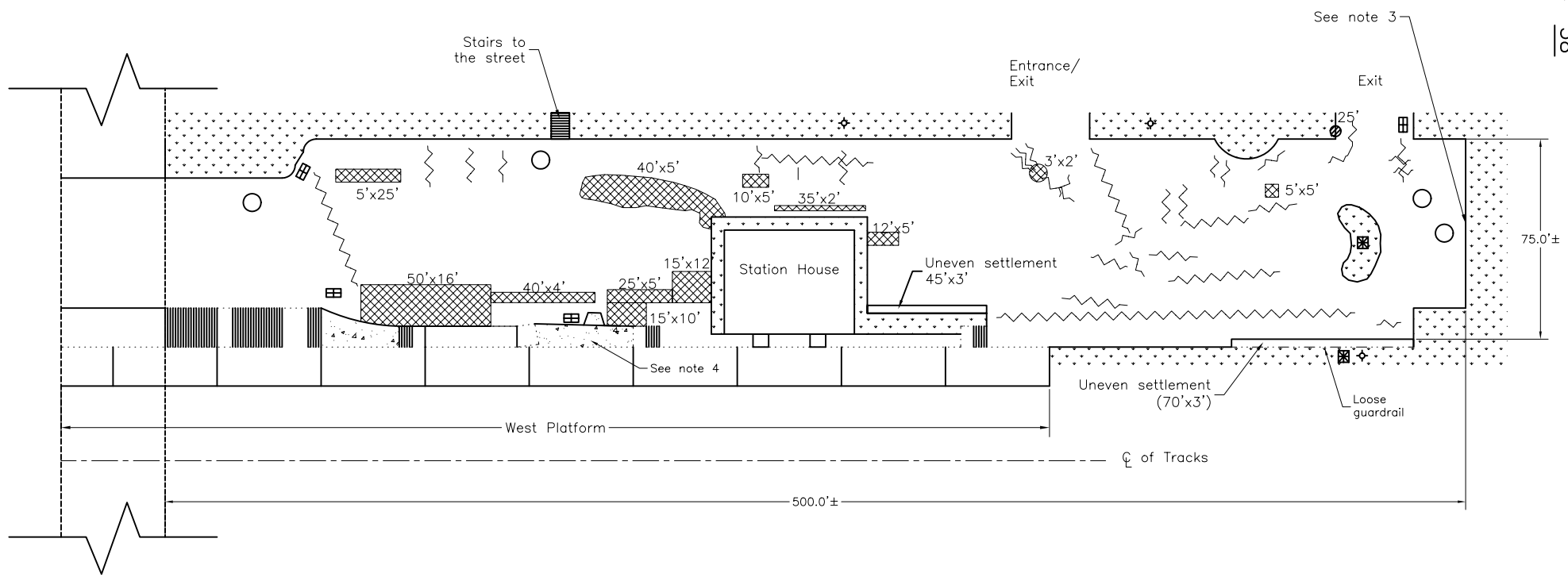
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Connecticut Dept. of Transportation
Riverside Station Quadrant II Plan
Date: 3/5/02



- Legend:
- Fence
 - Pedestrian Rail
 - Crack
 - Grass
 - Drain
 - Manhole
 - Cracked, Broken, Missing Curb
 - Train Power Line
 - Tree and Landscape

NOTES:
 1. The east side curb is cracked in multiple locations (total of 30'±)

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Connecticut Dept. of Transportation
Riverside Station Quadrant III Plan
Date: 3/5/02



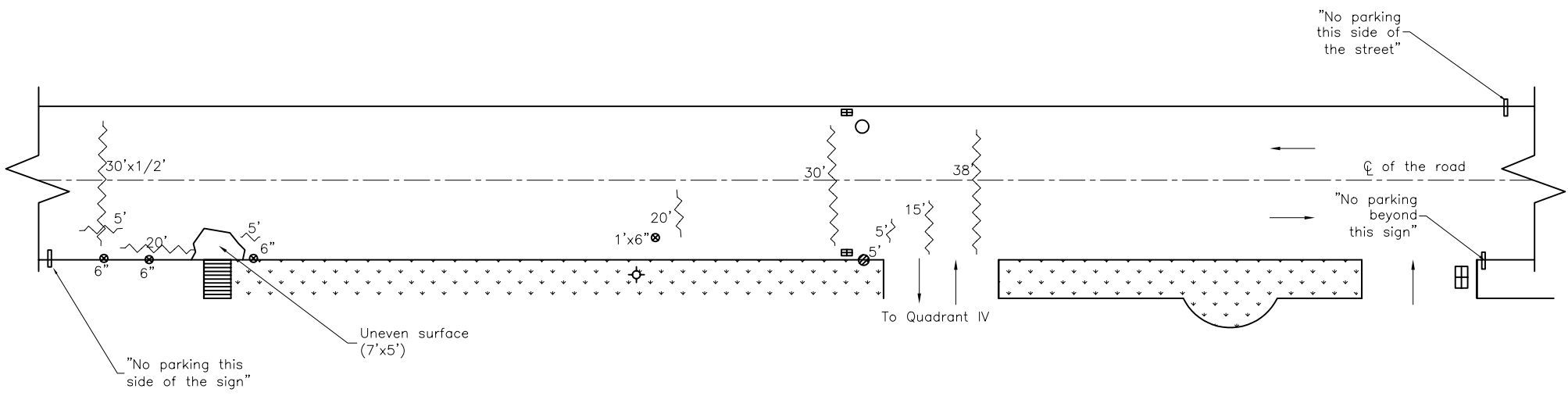
- Legend:
- Guardrail
 - Pedestrian Rail
 - ~~~~~ Crack
 - ▨ Map Cracking
 - ▤ Grass
 - ▥ Sidewalk
 - Sanitary Manhole
 - ⊞ Drain
 - ⊗ Cracked, Broken, Missing Curb
 - ▵ Ramp
 - ⋄ Light
 - ⊠ Train Power Line
 - ⊞ Tree and landscape

NOTES:

1. There is no curb on the west side except for 25' which is damaged.
2. 40% of the asphalt surface is cracked.
3. There are 10 concrete parking blocks displaced on the north side.
4. The sidewalk is cracked with an uneven walking surface.

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Connecticut Dept. of Transportation
Riverside Station Quadrant IV Plan
Date: 3/5/02

→ N



- Legend:
- Crack
 - Grass
 - Manhole
 - Drain
 - Pothole
 - Cracked, Broken, Missing Curb
 - Sign

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Riverside Station Quadrant V Plan
Date: 3/5/02

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 30 OF 58

PHOTO NO. 1

Location: _____
Span XI of the
east platform

Description: _____
General view of the east
platform

Reference: _____
Looking south

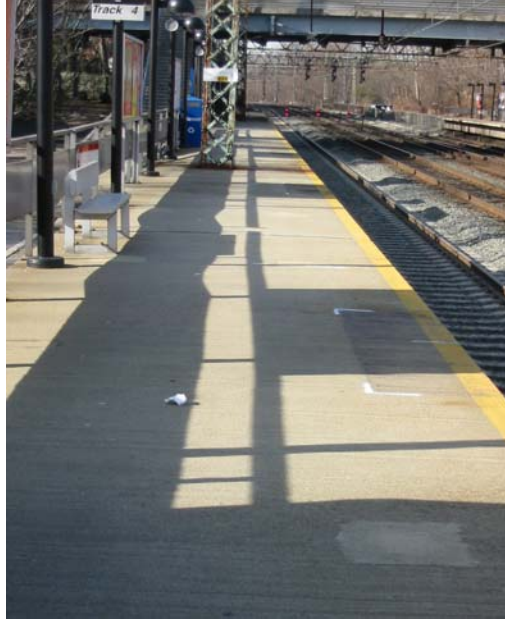
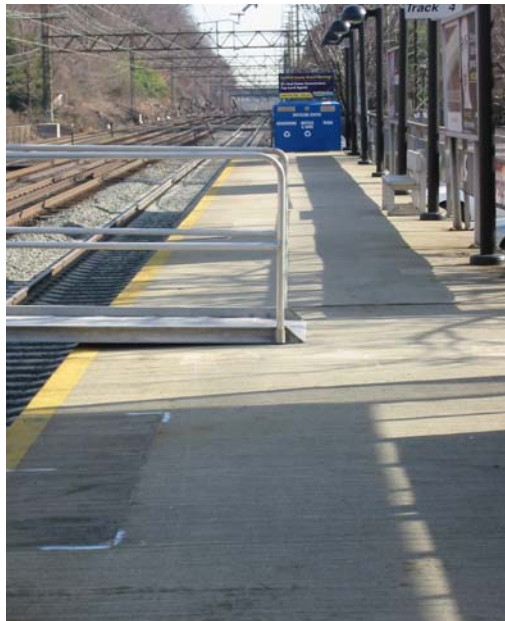


PHOTO NO. 2

Location: _____
Span XI of the
east platform

Description: _____
General view of the east
platform

Reference: _____
Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 31 OF 58

PHOTO NO. 3

Location: _____
Span VIII of the west
platform

Description: _____
General view of the west
platform

Reference: _____
Looking north



PHOTO NO. 4

Location: _____
Span VIII of the west
platform

Description: _____
General view of the west
platform

Reference: _____
Looking south



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 32 OF 58

PHOTO NO. 5

Location: _____
South of the station
house

Description: _____
General view of the
exterior south elevation
of the station house

Reference: _____
Looking north



PHOTO NO. 6

Location: _____
Span XII of the west
platform

Description: _____
General view of the
exterior east elevation
of the station house

Reference: _____
Looking southwest



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 33 OF 58

PHOTO NO. 7

Location: East side of Quad I

Description: General view of Quad I

Reference: Looking west



PHOTO NO. 8

Location: North side of Quad I

Description: General view of Quad I

Reference: Looking south



STATION: Riverside
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 34 OF 58

PHOTO NO. 9

Location: West side of Quad I

Description: General view of Quad I

Reference: Looking east



PHOTO NO. 10

Location: South side of Quad II

Description: General view of Quad II

Reference: Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 35 OF 58

PHOTO NO. 11

Location: _____
North side of Quad II

Description: _____
General view of Quad II

Reference: _____
Looking south



PHOTO NO. 12

Location: _____
West side of Quad II

Description: _____
General view of Quad II

Reference: _____
Looking east



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 36 OF 58

PHOTO NO. 13

Location: East side of Quad II

Description: General view of Quad II

Reference: Looking west



PHOTO NO. 14

Location: South side of Quad III

Description: General view of Quad III

Reference: Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 37 OF 58

PHOTO NO. 15

Location: North end of Quad III

Description: General view of Quad III

Reference: Looking south



PHOTO NO. 16

Location: West side of Quad III

Description: General view of Quad III

Reference: Looking east



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 38 OF 58

PHOTO NO. 17

Location: South side of Quad IV

Description: General view of Quad IV

Reference: Looking north



PHOTO NO. 18

Location: North side of Quad IV

Description: General view of Quad IV

Reference: Looking south



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 39 OF 58

PHOTO NO. 19

Location: West side of Quad IV

Description: General view of Quad IV

Reference: Looking east



PHOTO NO. 20

Location: North side of Quad V

Description: General view of Quad V

Reference: Looking south



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 40 OF 58

PHOTO NO. 21

Location: _____
Span XIV of the east
platform

Description: _____
The railing base plates
are rusted and
deteriorated

Reference: _____
Looking down



PHOTO NO. 22

Location: _____
Span V of the west
platform

Description: _____
Broken handrail

Reference: _____
Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 41 OF 58

PHOTO NO. 23

Location: _____
Span V of the west
platform

Description: _____
10% of the concrete
surface is scaled

Reference: _____
Looking north



PHOTO NO. 24

Location: _____
Span XI of the east
platform

Description: _____
40' crack

Reference: _____
Looking south



STATION: Riverside
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 42 OF 58

PHOTO NO. 25

Location: _____
Span I of the east
platform

Description: _____
The back of the sign is
cracked and damaged

Reference: _____
Looking south



PHOTO NO. 26

Location: _____
Span XIII of the west
platform

Description: _____
There is an isolated
area where there is
a hole in the canopy

Reference: _____
Looking up and north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 43 OF 58

PHOTO NO. 27

Location: _____
Span IX of the west
platform

Description: _____
The canopy is
corroded, rusted, and
the paint is chipping

Reference: _____
Looking south



PHOTO NO. 28

Location: _____
East of Span IX of the
east platform

Description: _____
The concrete footing
is spalled (4"x4")
and the base plates
are rusted and
deteriorated

Reference: _____
Looking west



STATION: Riverside
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 44 OF 58

PHOTO NO. 29

Location: _____
Span IX of the east
platform

Description: _____
Bent railing

Reference: _____
Looking north



PHOTO NO. 30

Location: _____
East of Span VIII of the
east platform

Description: _____
The concrete pier is
spalled and cracked
(3'x2')

Reference: _____
Looking southwest



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 45 OF 58

PHOTO NO. 31

Location: _____
Station house

Description: _____
Crack extending from
the east interior wall to
the west interior wall

Reference: _____
Looking east



PHOTO NO. 32

Location: _____
East side of Quad IV

Description: _____
Map cracking

Reference: _____
Looking south



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 46 OF 58

PHOTO NO. 33

Location: Middle of Quad II

Description: Filled asphalt cracks
which is still cracked

Reference: Looking north



PHOTO NO. 34

Location: Middle of Quad II

Description: Typical spalled asphalt
surface

Reference: Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 47 OF 58

PHOTO NO. 35

Location: Middle of Quad II

Description: The asphalt pavement is cracked and uneven with potholes (6'x2'x4")

Reference: Looking north



PHOTO NO. 36

Location: South of the station house

Description: The asphalt pavement is cracked with uneven settlement

Reference: Looking east



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 48 OF 58

PHOTO NO. 37

Location: _____
Northeast corner of
Quad IV

Description: _____
Loose debris; there
is no curb

Reference: _____
looking northeast



PHOTO NO. 38

Location: _____
Northeast corner of
Quad IV

Description: _____
The asphalt sidewalk
is cracked, and uneven;
the concrete curb is
missing, or spalled

Reference: _____
Looking south



STATION: Riverside
INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 49 OF 58

PHOTO NO. 39

Location: East side of Quad III

Description: The asphalt pavement is up heaving and cracking due to the roots of the tree (3'x6")

Reference: Looking east



PHOTO NO. 40

Location: Span XIV of the east platform

Description: The west fence in Quad II is rusted, the chain links and frame are bent and leaning

Reference: Looking north



STATION: Riverside

INSPECTORS: SS, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 50 OF 58

PHOTO NO. 41

Location: _____
East side of Quad IV

Description: _____
The guardrail is loose

Reference: _____
Looking north



PHOTO NO. 42

Location: _____
East side of Quad II

Description: _____
The curb is spalled and
the asphalt pavement is
cracked with potholes
(14'x1')

Reference: _____
Looking south



STATION: Riverside

INSPECTORS: WV, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 51 OF 58

PHOTO NO. 43

Location: _____
Southwest corner of
Quad I

Description: _____
The train power line
footing is spalled,
cracked, deteriorated,
and covered with
rust stains

Reference: _____
Looking northwest



PHOTO NO. 44

Location: _____
North of Span XI of the
east platform

Description: _____
The cinder block
is damaged (6"x6")

Reference: _____
Looking south



STATION: Riverside

INSPECTORS: WV, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 52 OF 58

PHOTO NO. 45

Location: _____
Northeast corner of
Quad IV

Description: _____
The concrete parking
blocks are displaced

Reference: _____
Looking northwest



PHOTO NO. 46

Location: _____
North of the station
house in Quad IV

Description: _____
The retaining wall is
leaning

Reference: _____
Looking south



STATION: Riverside

INSPECTORS: WV, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 53 OF 58

PHOTO NO. 47

Location:
parking lot

Description:
electrical utility
service pole

Reference:
Station Building
Service Section



PHOTO NO. 48

Location:
adjacent to
the building

Description:
service entrance
and utility meter

Reference:
Station Building
Service Section



STATION: Riverside
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 54 OF 58

PHOTO NO. 49

Location:
waiting room

Description:
waiting room
lighting

Reference:
Station Building
Lighting Section



PHOTO NO. 50

Location:
northbound
platform

Description:
electrical service
enclosure in
shelter

Reference:
Platform Service
Section



STATION: Riverside
INSPECTORS: Jim Connell & Dave Lang

PHOTO NO. 51

Location:
platform

Description:
platform lighting
and speakers

Reference:
Platform Lighting
Section



PHOTO NO. 52

Location:
platform

Description:
platform canopy
lighting

Reference:
Platform Lighting
Section



STATION: Riverside
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 56 OF 58

PHOTO NO. 53

Location:
RIVERSIDE
STATION

Description:
Station Name

Reference:
Mechanical



PHOTO NO. 54

Location:
MEN'S
ROOM

Description:
Men's Room
Urinal in Good
Condition
Partition Rusted

Reference:
Mechanical



STATION: RIVERSIDE
INSPECTORS: J. Duncan, T. Abrahamson

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 57 OF 58

PHOTO NO. 55

Location:
RIVERSIDE
STATION

Description:
Natural Gas
Meter, Pipe
Rusted Needs
attention

Reference:
Mechanical



PHOTO NO. 56

Location:
RIVERSIDE
STATION

Description:
Shelter across
the tracks
Maintenance
work in progress

Reference:
Mechanical



STATION: RIVERSIDE
INSPECTORS: J. Duncan, T. Abrahamson

Riverside Station				
Description	Units	Quantity	Price / Unit	Total Cost
Replacing sidewalk				
-Remove asphalt	yd ³	10	\$22.00	\$220.00
-Replace sidewalk	yd ²	58	\$25.00	\$1,450.00
Replacing asphalt pavement				
-Remove asphalt	yd ³	4565.00	\$22.00	\$100,430.00
-6" asphalt top course and binder course	yd ²	12640.00	\$25.00	\$316,000.00
-7" aggregate base	yd ³	2500.00	\$20.00	\$50,000.00
Replace pedestrian railing	ft	560.00	\$22.00	\$12,320.00
Repair spalled concrete	ft ²	450.00	\$40.00	\$18,000.00
Replace fencing	ft	400.00	\$48.00	\$19,200.00
Install curb	ft	550.00	\$100.00	\$55,000.00
Replace concrete parking blocks	EACH	10.00	\$75.00	\$750.00
Repair canopy roof	ft ²	3000.00	\$18.00	\$54,000.00
Misc (signs, etc.)	LS	-	-	\$1,000.00
Misc (clean and paint structural steel)	LS	-	-	\$5,000.00
Maintenance for gas meter pipes	LS	-	-	\$600.00
Urinal separation wall	LS	-	-	\$800.00
Domestic hot water system	LS	-	-	\$3,000.00
Lenox Unit requiring regular maintenance	LS	-	-	\$1,200.00
Janitor Sink requires small repairs	LS	-	-	\$200.00
Platform luminaires *	EACH	10.00	\$700.00	\$7,000.00
Install a minimal fire alarm system to meet the requirements of ADA. **	LS	-	-	\$2,500.00
Mobilization / Demobilization (10%)	LS	-	-	\$64,867.00
Sub-total				\$713,537.00
Contingency (20%)				\$142,707.40
Grand Total				\$856,244.40
Say				\$857,000.00

* The quantity of platform luminaires required to bring lighting up to recommended levels is an order-of-magnitude estimate. Performance of lighting design is required to develop a precise quantity estimate.

** The Fire alarm system is an order-of-magnitude cost required to comply with ADA requirements. Performance of a fire alarm system design is required to develop a precise quantity estimate.

*** The cost to repair the luminaires along the overpass is not included because it is not in the scope of this project.