



**CENTRAL TEXAS**  
**Regional Mobility Authority**

**183A Turnpike**  
**2012 Annual Inspection**  
**Detailed Inspection Report**

**HNTB**

**Central Texas Regional Mobility Authority**

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**PREFACE**

In compliance with the provisions Section 712 of the Master Trust Indenture under which the 183A Turnpike is financed and operated, members of HNTB staff conducted a visual inspection of the Turnpike during the months of February and March, 2012. The 183A Turnpike facility extends from north of the interchange with RM 620/SH 45 (approximate station 819+00) to the intersection with CR 276/US 183 (approximate station 270+00) a distance of approximately 10.4 miles. During this 2012 Annual Inspection a significant portion of the 183A Turnpike was impacted by construction of the 183A-Phase II Extension Project. As a result, the section of the 183A Turnpike within the contract limits of the Project (approximate station 303+00 to approximately station 608+00) was under the control of the construction Contractor and was not inspected. This inspection covered all portions of the 183A Turnpike not in the limits of the 183A-Phase II Extension Project construction including pavement, curbing, slopes, lighting, drainage structures, pavement markings, interchanges, toll plazas, buildings, and equipment on the mainlanes and frontage roads. The bridges were inspected by TxDOT under the National Bridge Inspection Program (NBIP) and the results have been summarized herein.

Visual observations form the basis for this report; no detailed in-place testing was performed. The opinions, statements, and recommendations made here are based solely on conditions revealed by this visual inspection. No representation or warranty is made that all defects have been discovered or that defects will not later appear.

**Central Texas Regional Mobility Authority**

**183A Turnpike  
2012 Annual Inspection  
Detailed Inspection Report**

**LEGEND FOR CONDITION ASSESSMENT**

- NA - Not Applicable
- 9 - New Construction - no problems noted
- 8 - Very good condition - no problems noted
- 7 - Good Condition - some minor problems
- 6 - Satisfactory condition - minor deterioration of elements functionality
- 5 - Fair condition - minor deterioration of elements (extensive)
- 4 - Poor condition - deterioration affects functionality
- 3 - Serious condition - deterioration seriously affects integrity of roadway or safety
- 2 - Critical condition - repair as soon as practical
- 1 - Failed condition - reconstruction required (out of service)

# Roadway

Roadway Other Elements		
Roadside Signs	Post Deterioration	Significant rusting and cracking sign posts.
	Post Alignment	Check stability of post. Posts with foundations: Posts plumb to within 1/2 inch per foot of post length. Driven Posts: Posts plumb to within 1 inch per foot of post length. No driven posts in clear zone.
	Breakaway function	Breakaway free of silt or other debris greater than 4" above grade that could impede breakaway function.
	Placement	Longitudinal placement appropriate for posted speed.
	Face visibility	No view blockage by vegetation. Check for fading of sign, proper orientation to roadway, and loose sign face.
	Face reflectivity	Signs should be reflective at night with low beam headlights from 300 feet. Note evidence that this may be impeded.
	Face damage	No face with more than 5% of area damaged or vandalized.
	Warning and regulatory sign deficiencies	No deficient or damaged warning or regulatory sign.
Object Markers and Delineators	Presence	Check for missing object marker or delineator at OSB, COSS, bridge, in front of crash attenuators, etc.
	Alignment	Posts plumb to within 1 inch per foot of post length.
	Reflectivity	All object markers and delineators should be visible from 300 feet at night with low beam headlights. Note evidence that this may be impeded.
Pavement Graphics	Presence	Graphics in place and functioning as intended. Check for fading.
	Reflectivity	Graphics are visible at night with low beam headlights at 160 feet. Note evidence that this may be impeded.
Pavement Markings	Presence	At least 90% of each line is present, per 120 feet. Note locations with pavement marking out of alignment (slipping)
	Reflectivity	Lines are visible at night with low beam headlights at 160 feet. Note evidence that this may be impeded.
Raised Pavement Markers	Presence	No more than 120 feet of continuous marker installation is without a reflective marker. (max 1 marker in 3 missing)
	Reflectivity	Markers are reflective at 300 feet, at night with low beam headlights. Note evidence that this may be impeded.
Metal Beam Guard Fence	Function	Guard fence functions as intended - parts in place, installation substantially plumb. Check for any damaged parts or improper installation.
Impact Attenuators	Function	Attenuator functions as designed - parts present and adjusted corrected, attenuator aligned. Check for damaged/cracked barrels or cells, loose cables, or debris.
Concrete Traffic Barrier	Function	Check condition for cracks greater than hairline and displacement/alignment.
Coating	Function	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.
Chain Linked Fence	Function	Check for rust, plumbness, and parts in place.
Turnpike Lighting	Function	All lights functional.
	Access panel condition	All access panels in place and secure.
	Transformer base condition	No broken or damaged transformer base.

<b>Roadway Roadside Elements</b>	
Culverts Obstructions	No more than 20% of cross sectional area silted/blocked. Note debris, trees or brush obstructing culverts.
Culvert Structural Damage	No crushed or separated pipes.
Ditch Obstructions	No more than 20% of cross sectional area silted/blocked. Note debris, trees or brush obstructing culverts.
Ditch Erosion	Erosion over 12 inches deep.
Grates/Inlets/Connector Pipe Obstruction	Grate or inlet openings are not completely obstructed and placed for proper drainage. Water does not pond for several days at a time.
Grates/Inlets/Connector Pipe Structural Damage	Inlet structure has no exposed reinforcing steel. Inlet throat not cracked. No breaks in inlet-connector seal allowing water seepage.
<b>Roadway Shoulder Elements</b>	
Spalls/Potholes	Pothole more than 1 square foot in area and more than 1 inch deep.
Depressions or Bumps	No more than 1 inch visible depression or bump in 10 feet.
Lane or Shoulder Dropoff	No drop off from lane to shoulder and from shoulder to ground greater than 2 inches deep and more than 50 continuous feet long.
Curb & Gutter	No curb displacement greater than 1-1/2 inches in 10 feet. Check for crushed curb.
Joints	Faulting more than 1/4 inch across joints. This is the depression of a slab relative to an adjacent slab resulting in a step when crossing the joint between the slabs.

# CTRMA Roadway Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 214	Sta To: 610	Direction: North Bound	By NH/BJJ
General Notes: Frontage Roads and Cross Streets				

Roadside		Pavement		Misc		Misc	
1 Culverts	8	1 General Condition*	7	1 Signs	8	1 Attenuators	8
2 Ditches	8	2 Curb/Gutter	8	2 Pave Graphics	8	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings**	7	3 Coatings	8
				4 Raised Markers***	6	4 Fence	8
				5 MBGF****	7	5 Lighting	8

Heavy construction in progress from 183A Phase II project. Inspected from San Gabriel Pkwy to US183. The 183A Phase II project construction limits were from RM 1431 (Approx. STA 608+00) to just north of San Gabriel Parkway (Approx. STA 303+00)

\* Pavement showing minor wear and some cracking  
 \*\* Pavement markings showing wear  
 \*\*\* Few raised markers are missing.  
 \*\*\*\*Metal beam guard fence terminal detached from wood post at Spanish Oak Creek bridge approach.

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of elements functionality or serviceability (limited)
- 5 Fair condition-minor deterioration of elements (extensive)
- 4 Poor condition-deterioration affects functionality or serviceability
- 3 Serious condition-deterioration seriously affects integrity of roadway or safety (immediate repair not necessary)
- 2 Critical condition-repair as soon as practical
- 1 Failing condition-emergency action necessary (call Project Manager immediately)
- 0 Failed condition-reconstruction required (out of service)

# CTRMA Roadway Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 610	Sta To: 807	Direction: South Bound	By NH/BJJ
General Notes: Main Lanes , Ramps, and Cross Streets				

Roadside		Pavement		Misc		Misc	
1 Culverts**	7	1 General Condition***	7	1 Signs	8	1 Attenuators	8
2 Ditches*	7	2 Curb/Gutter	8	2 Pave Graphics	8	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings**	6	3 Coatings	8
				4 Raised Markers*	6	4 Fence	8
				5 MBGF	8	5 Lighting	8

<p>*Erosion in drainage channels between Park St. and Brush Creek Rd.</p> <p>*Erosion in drainage channels south of South Brushy Creek</p> <p>** Numerous culverts have weeds or minor sediment in them.</p>	<p>*** Minor cracking from wear and tear.</p>	<p>*Many raised pavement markers are missing.</p> <p>** Striping showing wear.</p>	
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- N Not Applicable
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- 4 Poor condition-deterioration affects functionality or serviceability
- 3 Serious condition-deterioration seriously affects integrity of roadway or safety (immediate repair not necessary)
- 2 Critical condition-repair as soon as practical
- 1 Failing condition-emergency action necessary (call Project Manager immediately)
- 0 Failed condition-reconstruction required (out of service)



# CTRMA Roadway Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 214	Sta To: 610	Direction: South Bound	By NH/BJJ
General Notes: Frontage Roads and Cross Streets				

Roadside		Pavement		Misc		Misc	
1 Culverts*	7	1 General Condition**	7	1 Signs	8	1 Attenuators	8
2 Ditches	8	2 Curb/Gutter	8	2 Pave Graphics	8	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings	8	3 Coatings	8
				4 Raised Markers***	7	4 Fence	8
				5 MBGF****	7	5 Lighting	8

Heavy construction in progress from 183A Phase II project. Inspected from San Gabriel Pkwy to US183. The 183A Phase II project construction limits were from RM 1431 (Approx. STA 608+00) to just north of San Gabriel Parkway (Approx. STA 303+00)

\*Culverts have turf growing in them.  
 \*\* Pavement showing minor wear and cracking  
 \*\*\* Few raised markers are missing.  
 \*\*\*\*Metal beam guard fence terminal detached from wood post at Spanish Oak Creek bridge approach.

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of elements functionality or serviceability (limited)
- 5 Fair condition-minor deterioration of elements (extensive)
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- 2 Critical condition-repair as soon as practical
- 1 Failing condition-emergency action necessary (call Project Manager immediately)
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# Bridges

## 183A Bridge System

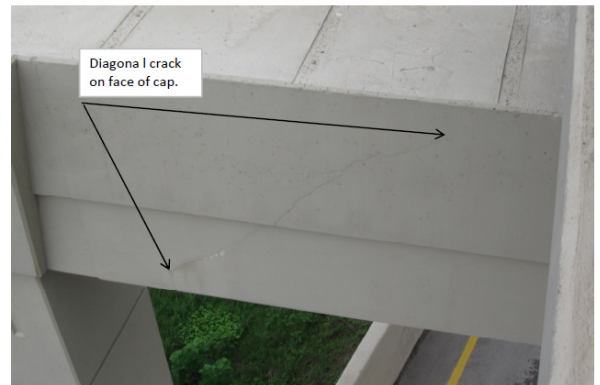
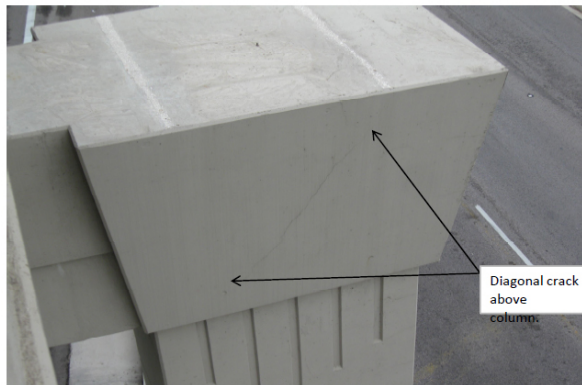
Bridge No.	Sta.	Location	North / South Bound
1	386+00 - 388+10	Frontage Rd. over Brushy Creek	North Bound
2	386+55 - 389+15	Frontage Rd. over Brushy Creek	South Bound
3	489+82 - 497+62	Frontage Rd. over Blockhouse Creek	North Bound
4	488+05 - 494+85	Frontage Rd. over Blockhouse Creek	South Bound
5	570+08 - 571+58	Frontage Rd. over Cottonwood Creek	North Bound
5A	568+70 - 570+35	Frontage Rd. over Cottonwood Creek	South Bound
6	15+40 - 17+40	Ramp NB10 over Spanish Oak Creek	North Bound
7	12+96 - 15+06	Ramp SB8 over Spanish Oak Creek	South Bound
8	605+48 - 614+90	RM 1431 overpass and Spanish Oak Creek	North Bound Mainlanes
9	605+48 - 614+90	RM 1431 overpass and Spanish Oak Creek	South Bound Mainlanes
10	631+94 - 638+24	Over Tributary of Spanish Oak Creek	North Bound Mainlanes
11	631+94 - 638+24	Over Tributary of Spanish Oak Creek	South Bound Mainlanes
12	16+20 - 19+37	Park Street underpass	
13	685+92 - 699+93	Brushy Creek Rd. and Giddings to Llano Railine overpass	North Bound Mainlanes
14	685+92 - 699+93	Brushy Creek Rd. and Giddings to Llano Railine overpass	South Bound Mainlanes
15	719+76 - 724+46	South Brushy Creek	North Bound Mainlanes
16	719+76 - 724+46	South Brushy Creek	South Bound Mainlanes
17	752+74 - 761+12	Avery Ranch Blvd. overpass	North Bound Mainlanes
18	752+74 - 761+12	Avery Ranch Blvd. overpass	South Bound Mainlanes
19	27+54	Future North Bound Ramp Spur NB8	North Bound
20	62+75 - 69+00	Ramp NB14 over Ramp NB15	North Bound
21	784+66 - 787+46	Lakeline Blvd. overpass	North Bound Mainlanes
22	784+66 - 787+46	Lakeline Blvd. overpass	South Bound Mainlanes
23	62+75 - 69+00	Ramp NB14 over Ramp NB15	

## Bridge Inspection Summary

Bridge inspections under the National Bridge Inspection Program (NBIP), in accordance with the applicable federal laws, were conducted by TxDOT from October 2011 through January 2012. Copies of all reports have been provided to the Mobility Authority and the GEC. Following is a summary of the deficiencies that were identified as part of the inspections:

### Bridge Number (23): 14-246-T001-83-003

- Bent #3 cracks on columns and cap
- The columns are 5'x7.5'. Based on the results of an engineering review performed by PE Structural Consultants, Inc, there is adequate shear and flexural reinforcing, and the structure is sound.



### Bridge Number (8): 14-246-T001-83-014

- A few sections of joint seals are missing.

### Bridge Number (7): 14-246-T001-83-015

- Metal beam guard fence approach terminal detached in NE corner. This condition should be scheduled for corrective work.



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- Scour has exposed drill shafts at bent 2, up to 4 ft. depth. Based on a review of the record plans and soil boring logs, this scour does not compromise the structural integrity of the bent since the remaining soil provides adequate skin friction for the shafts. No corrective work is warranted at this time. However, this area should be monitored.



**Bridge Number (6): 14-246-T001-83-016**

- Metal beam guard fence approach terminal detached in SE corner. This condition should be scheduled for corrective work.



**Bridge Number (2): 14-246-T001-83-021**

- Scour has exposed drill shafts at bent 3, 1 ft. to 2 ft. in depth. Based on a review of the record plans and soil boring logs, this scour does not compromise the structural

3/16/12

integrity of the bent since the remaining soil provides adequate skin friction for the shafts. No corrective work is warranted at this time. However, this area should be monitored.

**Bridge Maintenance Issues:** All Type A bridge expansion joints should be thoroughly cleaned of debris/soil/vegetation, and sealed, as appropriate.

The reports noted that the designated bridge under clearance signs on several bridges are not in conformance with TxDOT practice. All under clearance designations should be revised in conformance with the Texas Manual on Uniform Traffic Control Devices standards.

A copy of all Bridge Inspection Reports will be submitted to the Mobility Authority.

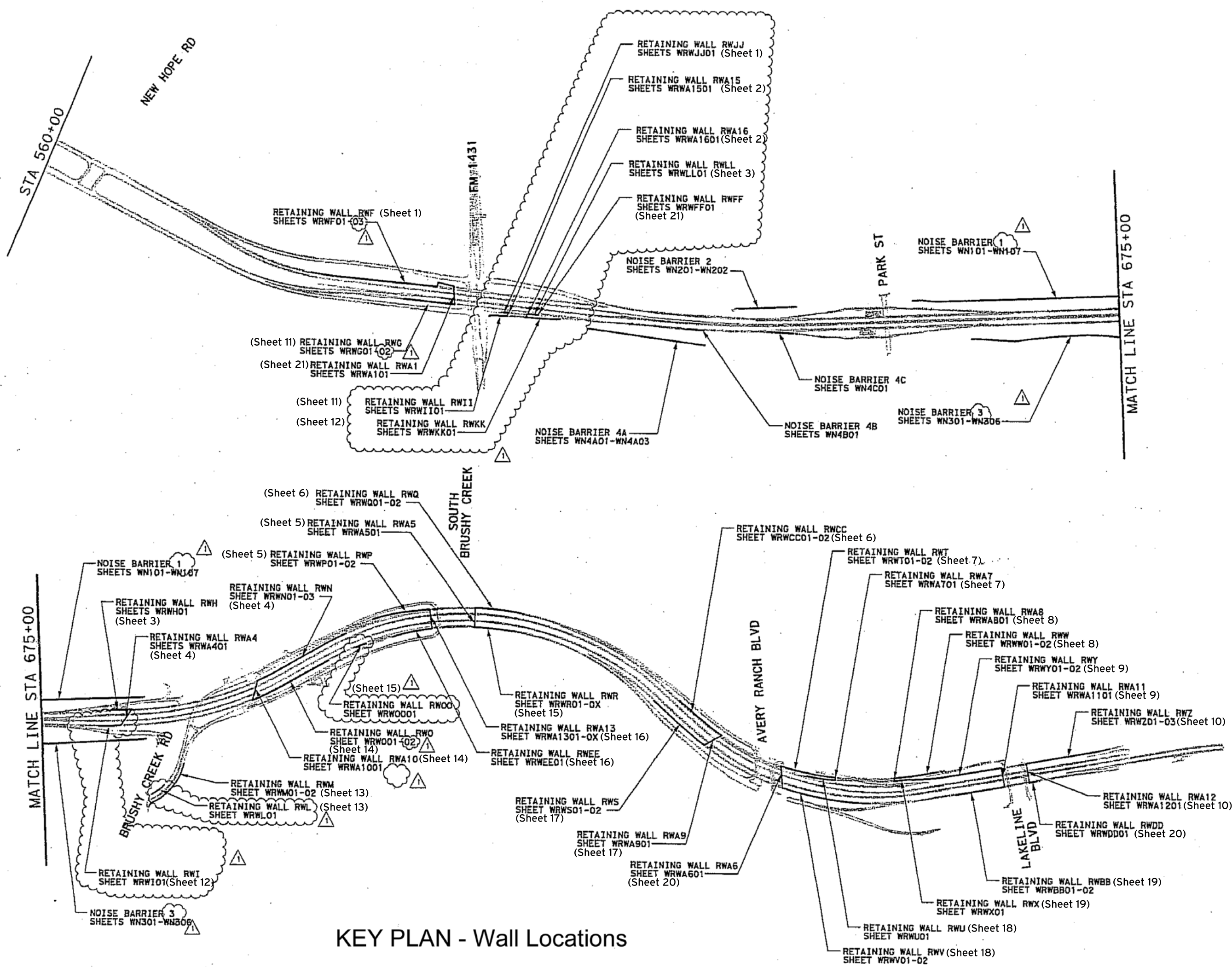
**PHOTO SOURCE:** TxDOT National Bridge Inspection Program (NBIP)

# Walls



**Retaining Wall Elements**

Joints	Look for panel joints (horizontal and vertical) that are opened wider or closed tighter than surrounding joints.
Panels	Panel movement away from abutment, drainage flume, riprap; The objective is to observe symptoms of movement that indicate potential serious problem.
Backfill	Backfill exposed or flowing out of joints. Note weep holes that are exporting backfill.
Wall Face	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.
Adjacent Slope (Bottom)	Note excessive rutting, erosion, or excavated toe slopes.
Adjacent Slope (Top)	Note excessive rutting, erosion, or excavated top of wall slopes.
Foundations	Look for differential settlement or sliding of wall foundations
CIP Sections	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.



KEY PLAN - Wall Locations

# CTRMA Retaining Wall Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/>	Sta From: 590+36    Sta To: 605+36	Sta From: 12+70    Sta To: 13+20
	Direction:    North Bound	Direction:    Ramp SB8
By BJ/NH	General Notes:    RWF <b>NE retaining wall at 1431</b>	General Notes:    RWJJ <b>NE retaining wall on the entrance ramp South of 1431</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

	Note: There is erosion at drains located in the terraced planter bed. 183A STA. 603+70.	
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|



# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 15+19	Sta To: 16+28	Sta From: 684+49	Sta To: 686+54
	Direction: Ramp SB8		Direction: NORTH BOUND	
By BJ/NH	General Notes: RWLL <b>SE retaining wall on entrance ramp South of 1431</b>		General Notes: RWH <b>NE retaining wall at Brushy Creek</b>	
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	6	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip on CIP at abutment wall 183A STA. 613+50		*Cracks/chips in panel cap 183A STA. 685+90	
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|



# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 724+41    Sta To: 729+05	Sta From: 747+53    Sta To: 753+29
	Direction:    NORTH BOUND	Direction:    NORTH BOUND
By BJ/NH	General Notes: RWQ <b>SE retaining wall at South Brushy Creek</b>	General Notes: RWCC <b>NE retaining wall at Avery Ranch</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	6	5 MSE Other	8

<p>*Large separation at one panel cap 183A STA 729+50</p>		<p>*CIP barrier is severely damaged at one location by vehicle crash.</p> <p>* Water is running out from under the coping.</p>	
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 714+10      Sta To: 719+80	Sta From: 724+41      Sta To: 724+41
	Direction:      NORTH BOUND	Direction:      BACKWALL
By BJ/NH	General Notes: RWP <b>NE retaining wall at South Brushy Creek</b>	General Notes: RWA5 <b>South abutment wall at South Brushy Creek</b>
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip in panel cap 183A STA 715+00			
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- |   |   |
|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|



# CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 10+00      Sta To: 15+80	Sta From: 62+79      Sta To: 62+79
	<input type="checkbox"/>	Direction: RAMP NB14	Direction: RAMP NB14 BACKWALL
By BJ/NH	General Notes: RWT <b>SE retaining wall at Avery Ranch</b>		General Notes: RWA7 <b>North abutment wall on the exit ramp South of Avery Ranch</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other*	7	5 CIP Sections	8	5 MSE Other*	8

	*Erosion undermining mow curb at planter.		
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|---|---|
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|---|---|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 68+95	Sta To: 68+95	Sta From: 68+95	Sta To: 73+71
	Direction: RAMP NB14 BACKWALL		Direction: RAMP NB14 NORTH BOUND	
By BJ/NH	General Notes: RWA8		General Notes: RWW	
Date 2/29/12	South abutment wall of entrance ramp North of Lakeline Blvd.		East retaining wall of entrance ramp North of Lakeline Blvd.	
	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

		<p>*Coping is skewed at 183A STA. 775+00 on the East retaining wall of the entrance ramp North of Lakeline Blvd.</p>	
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
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# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 787+42    Sta To: 796+11	Sta From: 787+42    Sta To: 787+42
	Direction: NORTH BOUND	Direction: BACKWALL
By BJ/NH	General Notes: RWZ <b>SE retaining wall at Lakeline Blvd.</b>	General Notes: RWA12 <b>South abutment wall at Lakeline Blvd.</b>
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints**	7	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

<p>*Coping is skewed at 183A STA. 794+00 on the SE retaining wall at Lakeline Blvd.</p> <p>*Coping is skewed at 183A STA. 792+00+/- and 787+11+/-</p> <p>**Water is running out from under the coping at 183A STA. 797+00 of the SE retaining wall at Lakeline Blvd.</p>			
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| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
|--|--|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 600+39    Sta To: 605+64	Sta From: 11+20    Sta To: 12+96
	Direction:    SOUTH BOUND	Direction:    RAMP SB8
By BJ/NH	General Notes: RWG <b>NW retaining wall at 1431</b>	General Notes: RWII <b>NW retaining wall on entrance ramp South of 1431</b>
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other*	7	5 CIP Sections	8	5 MSE Other	8

	<p>*There is minor erosion where the drain inlet empties into the terraced retaining walls.</p> <p>*Erosion upstream of the terraced retaining walls.</p>		
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 14+96      Sta To: 18+65	Sta From: 683+10      Sta To: 685+32
	<input type="checkbox"/>	Direction:      RAMP SB8	Direction:      SOUTH BOUND
By BJ/NH	General Notes: RWKK		General Notes: RWI
Date 2/29/12	<b>SW retaining wall on the entrance ramp South of 1431</b> <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<b>NW retaining wall at Brushy Creek Rd.</b> <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope*	7	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	7	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip on the corner of the abutment cap.	*Minor drainage issue at the top of slope.	*Cracks in panel cap above logo panel near abutment.	
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 11+38	Sta To: 11+50	Sta From: 10+46	Sta To: 16+10
	Direction: NB BRUSHY CREEK RAMP		Direction: SB BRUSHY CREEK RAMP	
By BJ/NH	General Notes: RWL		General Notes: RWM	
Date 2/28/12	<b>East retaining wall of the entrance/exit ramp at Brushy Creek.</b> <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<b>West retaining wall of the entrance/exit ramp at Brushy Creek.</b> <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope*	6	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

	*Significant erosion at west end of wall from wall drainage outlet.	*Chip in panel cap near center of wall.	
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 700+50    Sta To: 700+50	Sta From: 699+18    Sta To: 708+08
	<input type="checkbox"/>	Direction:    BACKWALL	Direction:    SOUTH BOUND
By BJ/NH	General Notes: RWA10 <b>South abutment wall at Brushy Creek</b>		General Notes: RWO <b>SW retaining wall at Brushy Creek</b>
Date 2/29/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

		*Chipped panel cap near SB Toll Booth.	
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
|---|---|



# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 711+38      Sta To: 712+51	Sta From: 724+41      Sta To: 728+45
	Direction:      SOUTH BOUND	Direction:      SOUTH BOUND
By BJ/NH	General Notes: RWO0 <b>East retaining wall located between Brushy Creek and South Brushy Creek</b>	General Notes: RWR <b>SW retaining wall at South Brushy Creek</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chips in panel cap 183A STA. 711+60			
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 719+80      Sta To: 719+80	Sta From: 715+50      Sta To: 719+80
	Direction:      BACKWALL	Direction:      SOUTH BOUND
By BJ/NH	General Notes: RWA13 <b>North abutment wall at South Brushy Creek</b>	General Notes: RWEE <b>NW retaining wall at South Brushy Creek</b>
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels**	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

		<p>*Crack in CIP at abutment wall 183A STA. 719+75; cracks and white leeching in panel cap 183A STA. 715+50; Chip in panel cap 183A STA. 715+60</p> <p>**Panel caps are touching at two locations near north abutment</p>	
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|--|--|
| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
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# CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 745+58    Sta To: 752+38	Sta From: 753+29    Sta To: 753+29
	<input type="checkbox"/>	Direction:    SOUTH BOUND	Direction:    BACKWALL
By BJ/NH	General Notes: RWS <b>NW retaining wall at Avery Ranch</b>		General Notes: RWA9 <b>North abutment wall at Avery Ranch</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

		*Skewed panel cap above the center right pilaster.	
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
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# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 761+44    Sta To: 770+26	Sta From: 59+94    Sta To: 62+79
	Direction: SOUTH BOUND	Direction: NB RAMP 14
By BJ/NH	General Notes: RWV <b>SW retaining wall at Avery Ranch</b>	General Notes: RWU <b>East retaining wall on exit ramp South of Avery Ranch</b>
Date 2/28/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope**	7	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other*	7

*Chip in panel cap 183A STA. 770+16	**Significant erosion at bot- tom of wall along mow strip 183A STA. 770+26	*Crack in mow strip.
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 68+95      Sta To: 70+64	Sta From: 779+66      Sta To: 784+70
	Direction:      NB RAMP 14	Direction:      SOUTH BOUND
By BJ/NH	General Notes: RWX	General Notes: RWBB
Date 2/29/12	<b>NW retaining wall of the entrance ramp North of Lakeline Blvd.</b>	<b>NW retaining wall at Lakeline Blvd.</b>
	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

		*Coping is skewed at 183A STA. 783+00 and 784+50+/- on the NW re- taining wall at Lakeline Blvd.	
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 787+42    Sta To: 788+16	Sta From: 761+12    Sta To: 761+12
	<input type="checkbox"/>	Direction:    SOUTH BOUND	Direction:    BACKWALL
By BJ/NH	General Notes: RWDD <b>SW retaining wall at Lakeline Blvd.</b>		General Notes: RWA6 <b>South abutment wall at Avery Ranch</b>
Date 2/29/12	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other*	7

		*Panel cap skewed near center of wall.	*Crack in mow strip.
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
|---|---|



# Masonry Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 468+50 Sta To: 487+80	Sta From: 499+57 Sta To: 574+00
	<input type="checkbox"/>	Direction: South Bound	Direction: South Bound
By BJ/NH	General Notes: <b>Blockhouse Creek Subdivision Wall</b>		General Notes: <b>Blockhouse Creek Subdivision Wall</b>
Date 2/29/12	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face*	7	1 Top Slope	NA	1 Face*	7	1 Top Slope	NA
2 Foundations	8	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections	8	5 Other	NA	5 CIP Sections	8	5 Other	NA

*Minor chips in CMU.		*Minor chips in CMU.	
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|---|---|
| <ul style="list-style-type: none"> <li>N Not Applicable</li> <li>9 New construction-no problems noted</li> <li>8 Very good condition-no problems noted</li> <li>7 Good condition-some minor problems</li> <li>6 Satisfactory condition-minor deterioration of elements (limited)</li> <li>5 Fair condition-minor deterioration of elements (extensive)</li> </ul> | <ul style="list-style-type: none"> <li>4 Poor condition-deterioration significantly affects structural capacity</li> <li>3 Serious condition-deterioration seriously affects structural capacity</li> <li>2 Critical condition-roadway should be closed until repaired</li> <li>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</li> <li>0 Failed condition-roadway closed, reconstruction of wall is required</li> </ul> |
|---|---|



# Masonry Wall Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/>	Sta From: 574+50 Sta To: 537+50	Sta From:	Sta To:
	Direction: South Bound	Direction:	
By BJ/NJ	General Notes: <b>Ridgewood South Subdivision Wall</b>		General Notes:
Date 2/29/12	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	NA	1 Face		1 Top Slope	
2 Foundations	8	2 Toe Slope	NA	2 Foundations		2 Toe Slope	
3 Joints*	7	3 Backfill	NA	3 Joints		3 Backfill	
4 Panels	8	4 CIP Other	NA	4 Panels		4 CIP Other	
5 CIP Sections**	7	5 Other	NA	5 CIP Sections		5 Other	

*Very minor cracking in the mortar joints.  **Crack in mow strip.			
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|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# Noise Barrier Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 653+51    Sta To: 687+95	Sta From: 635+40    Sta To: 641+29
	Direction:    North Bound	Direction:    North Bound
By BJ/NH	General Notes: Noise Barrier Wall # 1,	
Date 2/29/12	General Notes: Noise Barrier Wall # 2	
	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face*	8	1 Top Slope	NA	1 Face	8	1 Top Slope	NA
2 Foundations	8	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections**	7	5 Other*	7	5 CIP Sections	7	5 Other	NA
6 Coatings	8			6 Coatings	8		

*Chips on panel face have been patched.  **Concrete mow strip is cracked at nearly every column.	*Drainage under wall at approx. 183A STA. 680+00 & 183A STA 683+00.	*Concrete mow strip is cracked at nearly every column.	
--	---	--	--

- |   |   |
|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# Noise Barrier Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 659+59    Sta To: 687+87	Sta From: 619+84    Sta To: 631+90
	Direction:    South Bound	Direction:    South Bound
By BJ/NH	General Notes: Noise Barrier Wall # 3	
Date 2/29/12	General Notes: Noise Barrier Wall # 4A	
	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face*	7	1 Top Slope	NA	1 Face*	7	1 Top Slope	NA
2 Foundations	8	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections**	7	5 Other	NA	5 CIP Sections**	7	5 Other	NA
6 Coatings	8			6 Coatings	8		

<p>*Chips in column approx. 183A STA. 677+20</p> <p>**Concrete mow strip is cracked at nearly every column.</p>		<p>*Chips in panel face at approx. 183A STA. 623+80 &amp; 183 STA. 626+20</p> <p>**Concrete mow strip is cracked at nearly every column.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>Some wall inserts on bottom of wall at drain locations are dislodged.</li> </ul>	<ul style="list-style-type: none"> <li>Drainage under wall is blocked by home owner with rocks.</li> </ul>
---	--	---	--

- |  |  |
|--|--|
| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
|--|--|

# Noise Barrier Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 629+27    Sta To: 631+76	Sta From: 638+41    Sta To: 640+99
	Direction:    South Bound	Direction:    South Bound
By BJ/NH	General Notes: Noise Barrier Wall # 4B	General Notes: Noise Barrier Wall # 4C
Date 2/29/12	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face*	7	1 Top Slope	NA	1 Face*	7	1 Top Slope	NA
2 Foundations	8	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections	8	5 Other	N/A	5 CIP Sections**	7	5 Other	NA
6 Coatings	8			6 Coatings	8		

*Chip/cracks on face of wall.		*Crack/chips on portion of face that has been patched.  **Minor cracks at bottom of wall.	
-------------------------------	--	---	--

- |   |   |
|---|---|
| N Not Applicable<br>9 New construction-no problems noted<br>8 Very good condition-no problems noted<br>7 Good condition-some minor problems<br>6 Satisfactory condition-minor deterioration of elements (limited)<br>5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity<br>3 Serious condition-deterioration seriously affects structural capacity<br>2 Critical condition-roadway should be closed until repaired<br>1 Failing condition-roadway closed but wall is repairable-notify PM immediately<br>0 Failed condition-roadway closed, reconstruction of wall is required |
|---|---|

# Buildings



Brushy Creek Ramp  
Toll Plaza  
Southbound






Field Operations  
Building and  
Mainlane Toll Plaza

Brushy Creek Ramp  
Toll Plaza  
Northbound

Section 9  
ILP HUB Structure  
Southbound

Section 9  
ILP HUB Structure  
Northbound

**LEGEND**

-  183A Toll Road
-  183A Future Toll Road
-  Frontage Road
-  Toll Gantry
-  Commuter Rail and Stops

This map is not drawn to scale.

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/19/2012
General Notes: Mainline Toll Plaza at Park St.			

## Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	8	
Glazing	8	
Signage	8	
Trellis	8	Small areas require paint touch up.
Handrails	8	
Doors	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Comments:

## Roofing

Primary Roof Description	Condition	Comments
Metal	8	All Lightning rods and ice guards are present.

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/19/2012
General Notes: Mainline Toll Plaza at Park St.			

## Building Interior

Category	Condition	Comments
Main Lobby	8	
Corridor Finishes	8	
Windows	8	
Doors	8	
Restrooms	8	
Security	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Previous Repairs	X			
Other				

## Elevators

Category	Condition	Comments
Interior Finishes	8	
Doors	8	
Control Panels	8	
Equipment Room	8	
Other	8	

Comments: Elevator inspection certification expires 03/2012





# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/19/2012
General Notes: Mainline Toll Plaza at Park St.			

**Structure**

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Grade Beams / Walls	8	
Roof Structure	8	
Columns	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

Comments:

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/19/2012
General Notes: Mainline Toll Plaza at Park St.			

**Electrical**

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	
GFCI	8	
Telephone Room	8	
Primary Transformers	8	
Step-Down Transformers	8	
System Capacity (volts/amps/phases)	8	
Power Provider / Reported adequacy	8	
UPS	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>Facility:</b> Field Operations Building	<b>By</b> FK on 3/19/2012
<b>General Notes:</b> Mainline Toll Plaza at Park St.		

## Mechanical Systems

Category	Condition	Comments
Cooling	7	Southwest condenser unit piping at wall penetration is not sealed and a the small condenser unit is tilted.
Heating	5	PTAC HVACs are not reliable. The units do not maintain set temperature*
Air Handlers	8	
Outside Air Provision	8	
Exhaust Fans	8	
Ductwork/ Insulation	8	
Reported Capacity Adequacy	8	
Backflow Preventer	8	City of Cedar Park system

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork/ Insulation	X			
Other		X		GFCI socket by the HVAC condenser units does not work.

## Fire Protection

Category	Condition	Comments
Alarm System	8	
Smoke Detectors	8	
Heat Detectors	8	
Other	7	Fire extinguishers in FOB expired 2/10 and 2/09. All gauges indicate in the green.

Comments:

- Room 109–Not all ceiling penetrations have fire stopping.
- \* Warranty item to be addressed by CDA Developer. The PTAC units do not maintain set temperature

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/19/2012
General Notes: Mainline Toll Plaza at Park St.		

**Plumbing**

Category	Condition	Comments
Water Supplier / Reported Adequacy	8	
Water Piping	8	
Water Flow & Pressure	8	
Hot Water Source	8	
Reported Hot Water Capacity	8	
Piping insulation	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Corrosion	X			
Leaks	X			
Sewer Back-ups	X			
Damaged Insulation	X			

Comments: Fire hydrant clearance has been encroached on by recently installed stone wall as part of shared use path project. May cause an issue to connect fire hoses and/or repair/replace hydrant as some of the flange bolts are covered by stone wall.

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/19/2012
General Notes: Mainline Toll Plaza-Gantry at Park St.			

## Gantry Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	5	There is Significant paint chipping / peeling on toll plaza superstructure. There is some rust on steel members. (Warranty item to be addressed by Developer.)
Glazing	8	
Steps / Stairs	8	Paint touch up needed east and west gantry under stairs and at stairwell screening.
Handrails	8	Pedestrian handrail screen has been damaged on west end. West end top stairwell banister needs end cap.
Doors	7	Outside doors (both elevators - lower level) have rust on the hinges.
Plaza Superstructure	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Comments:

## Roofing

Primary Roof Description	Condition	Comments
Metal	8	All Lightning rods and ice guards are present.

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# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/19/2012
General Notes: Mainline Toll Plaza–Gantry at Park St.		

## Building Interior

Category	Condition	Comments
Windows	8	
Doors	8	
Security	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Previous Repairs	X			
Other				

## Site Improvements

Category	Condition	Comments
Building-Mounted Lighting	8	
Site Drainage	7	Weep holes in lane dividers are partially clogged.
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Cracking / Damage	X			
Heaving / Settling	X			
Erosion	X			
Ponding	X			
Other	X			
		X		ILP3 (NB ORT) has duct work that is not fire insulated

Comments:





# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/19/2012
General Notes: Mainline Toll Plaza–Gantry at Park St.		

## Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Primary Lighting	8	
GFCI	8	
Primary Transformers	8	
Step-Down Transformers	8	
System Capacity (volts/amps/phases)	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

## Fire Protection

Category	Condition	Comments
Alarm System	8	
Smoke Detectors	8	
Heat Detectors	8	
Other		All toll booths at Park Street were in the process of being removed.

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/19/2012
General Notes: Mainline Toll Plaza–Gantry at Park St.			

**Mechanical Systems**

Category	Condition	Comments
Cooling	5	PTAC HVACs are not reliable. The units do not maintain set temperature.*
Heating	5	PTAC HVACs are not reliable. The units do not maintain set temperature.*
Insulation	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Insulation	X			
Other	X			

Comments:

- MLTP SB ORT ILP has conduit that needs fire stopping.
- \* Warranty item to be addressed by CDA Developer–The PTAC units do not maintain set temperature.

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: South Bound		

## Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			Camera has been replaced.
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

## Roofing

Primary Roof Description	Condition	Comments
Concrete	8	

## Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting		N/A
Fences	7	Fence has not been grounded and has damage to paint. No lock, Open when inspected.
Other		

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: South Bound		

## Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

## Cooling System

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

# CTRMA Building Inspection Form



<b>183A</b>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: South Bound			

**Electrical**

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

**Building Interior**

Category	Condition	Comments
Finishes	8	
Doors	8	
Security	5	Gate is not locked.
Other	8	

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of structural elements (limited)
- 5 Fair condition-minor deterioration of structural elements (extensive)
- 4 Poor condition-deterioration significantly affects structural capacity
- 3 Serious condition-deterioration seriously affects structural capacity
- 2 Critical condition- should be closed until repair
- 1 Failing condition- closed but repairable
- 0 Failed condition- closed and beyond repair

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: North Bound		

## Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			Camera has been replaced.
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

## Roofing

Primary Roof Description	Condition	Comments
Concrete	8	

## Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting		N/A
Fences	7	Fence has not been grounded and has damage to paint. No lock, Open when inspected.
Other		

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: North Bound		

**Structure**

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

**Cooling System**

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/19/2012
General Notes: North Bound		

## Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

## Building Interior

Category	Condition	Comments
Finishes	8	
Doors	8	
Security	5	Gate is not locked.
Other	8	

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of structural elements (limited)
- 5 Fair condition-minor deterioration of structural elements (extensive)
- 4 Poor condition-deterioration significantly affects structural capacity
- 3 Serious condition-deterioration seriously affects structural capacity
- 2 Critical condition- should be closed until repair
- 1 Failing condition- closed but repairable
- 0 Failed condition- closed and beyond repair



# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/19/2012
General Notes: South Bound Toll Plaza		

## Building Exterior / Interior

Category	Condition	Comments
Wall Systems	7	Floor is not fastened.
Sealants	8	
Paint	8	
Doors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Door Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other		X		Camera housing on hut is rusting.

## Roofing

Primary Roof Description	Condition	Comments
Flat metal	8	

## Site Improvements

Category	Condition	Comments
Sidewalks	7	Some trash and debris accumulation.
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting	8	
Drainage	8	
Other	7	Restroom has trash and discarded mats piled inside. Door to water faucet locked in "open" position. Door should be secured.

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/19/2012
General Notes: South Bound Toll Plaza		

## Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other		X		ILP Hut, Floor edge trim is coming unglued in places. Door hold open hook has come off.

## Mechanical Systems

Category	Condition	Comments
Cooling	8	
Heating	8	
Exhaust Fans	8	
Backflow Preventer	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/19/2012
General Notes: South Bound Toll Plaza		

## Electrical

Category	Condition	Comments
Wiring / Conduit	8	
GFCI	7	ILP Hut, Outside GFCI does not test. Breaker could be turned off. Cover on violation light electrical box on ILP is missing screws.
Emergency Power	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

## Plumbing / Fire Protection

Category	Condition	Comments
Water Flow / Pressure	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	
Alarm System	8	
Smoke Detectors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Leaks	X			
Corrosion	X			
Sewer Backups	X			
Other		X		Fire extinguisher inspection is expired. Gauge indicated in the green.

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/19/2012
General Notes: North Bound Toll Plaza		

## Building Exterior / Interior

Category	Condition	Comments
Wall Systems	7	Floor panels are missing and some are not secured.
Sealants	8	
Paint	8	
Doors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Door Leaks		X		ILP Hut, Bottom door seal plate is not in place.
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other		X		Camera housing on hut is rusting.

## Roofing

Primary Roof Description	Condition	Comments
Flat metal	8	

## Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting	8	Lights were on during day. ATS contacted to correct.
Drainage	8	
Other	7	Door to water faucet locked in "open" position. Should be secured.

# CTRMA Building Inspection Form



183A

Facility: Brushy Creek Ramp

By FK on 3/19/2012

General Notes: North Bound Toll Plaza

## Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

## Mechanical Systems

Category	Condition	Comments
Cooling	8	
Heating	8	
Exhaust Fans	8	
Backflow Preventer	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other		X		"TOLL EQUIPMENT" Ground Box cover is broken.

# CTRMA Building Inspection Form



<b>183A</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/19/2012
General Notes: North Bound Toll Plaza		

**Electrical**

Category	Condition	Comments
Wiring / Conduit	8	
GFCI	7	ILP Hut, Outside GFCI does not test. Breaker could be turned off.
Emergency Power	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

**Plumbing / Fire Protection**

Category	Condition	Comments
Water Flow / Pressure	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	
Alarm System	8	
Smoke Detectors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Leaks	X			
Corrosion	X			
Sewer Backups	X			
Other		X		Fire extinguisher inspection is expired. Gauge indicated in the green.