Profile/Photo Observation Report



Date: 10/31/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 161.8 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-041-034 Surveyor:

Customer: **City of Hobart** Clean Date: 10/27/2021 Shape:

North Colorado Street Flow Control: **Not Controlled** Street:

City: Hobart, IN Year Renewed: Local rural streets with light traffic, t Tape/Media #: Location:

Purpose: **Routine Assessment** Dia/Height: 10" Use: **Sanitary Sewage Pipe** Material: **VCP** None

Drain Area: Lining:

Category: NA

Comment:

Location Details: Direction of Survey: Upstream

US MH: M-504-034 DS MH: M-504-041 Total Length Surveyed (ft): 161.8

1.66 78.00 **2E1B** O&M Index: O&M Quick: O&M Rating: 2.46 64.00 Structural Quick: Structural Rating: Structural Index: 1.95 142.00 Overall Quick: Overall Index: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
504	041				
\mathbf{Y}	0.	AMH	Manhole	1	NA
ш	.0	MWL	Miscellaneous Water Level	11	NA
ш	1.5	MGO	Miscellaneous General Observation	19	NA
	1.5	MWLS(S01)	Miscellaneous Water Level Sag	27	S 2
ш	1.8	RFJ	Roots Fine Joint	61	M 1
	1.8	JOMD	Joint Offset Medium Defective	73	S 3
ш	1.9	CM	Crack Multiple	104	S 3
Н	1\\\9.5	JOM	Joint Offset Medium	190	S 3
н	117.3	JOM	Joint Offset Medium	291	S 3
	20.2	DAE	Deposits Attached Encrustation	350	M 2
н	1\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DAE	Deposits Attached Encrustation	395	M 2
ш	25.3	DAE(S02)	Deposits Attached Encrustation	448	M 2
ш	27.5	MWLS(F01)	Miscellaneous Water Level Sag	478	S 2
ш	31.9	ОВМ	Obstruction Pipe Material in Invert	517	M 2
ш	51.1	CM	Crack Multiple	649	S 3
ш	53.9	CM	Crack Multiple	697	S 3
	//82.1	SZ	Surface Damage Other	906	NA
	87.2	MWLS(S03)	Miscellaneous Water Level Sag	957	S 2
	90.0	SZ	Surface Damage Other	992	NA

91.9	MWLS(F03)	Miscellaneous Water Level Sag	1018	S 2
94.9	RFJ	Roots Fine Joint	1049	М
94.9	CL	Crack Longitudinal	1077	S 2
95.0	FS	Fracture Spiral	1112	S 3
97.6	FM	Fracture Multiple	1165	S 4
97.6	RFJ	Roots Fine Joint	1182	М
100.1	RFJ	Roots Fine Joint	1219	М
105.3	RFJ	Roots Fine Joint	1274	М
107.7	RFJ	Roots Fine Joint	1313	М
110.6	JAM	Joint Angular Medium	1365	S 3
110.7	MWLS(S04)	Miscellaneous Water Level Sag	1385	S 2
112.9	RFJ	Roots Fine Joint	1422	М
115.4	RFJ	Roots Fine Joint	1478	М
118.1	RFJ	Roots Fine Joint	1522	М
118.2	JAM	Joint Angular Medium	1543	S 3
120.8	RFJ	Roots Fine Joint	1587	М
123.1	MWLS(F04)	Miscellaneous Water Level Sag	1629	S 2
123.4	RFJ	Roots Fine Joint	1648	М
129.3	SSS	Surface Damage Surface Spalling	1704	S 2
131.0	SSS	Surface Damage Surface Spalling	1732	S 2
133.6	RFJ	Roots Fine Joint	1786	М
135.2	MWLS(S05)	Miscellaneous Water Level Sag	1815	S 2
138.4	JOM	Joint Offset Medium	1843	S 3
139.0	DSF	Deposits Settled Fine	1862	М
143.8	RFJ	Roots Fine Joint	1916	М
146.6	SZ	Surface Damage Other	1960	NA
151.7	RFJ	Roots Fine Joint	2003	М
153.8	MWLS(F05)	Miscellaneous Water Level Sag	2054	S 2
154.2	RFJ	Roots Fine Joint	2082	М
156.9	SZ	Surface Damage Other	2119	NA
156.9	RFJ	Roots Fine Joint	2139	М
159.9	DAE(F02)	Deposits Attached Encrustation	2168	М
161.8	AMH	Manhole	2263	NA

M(504)034



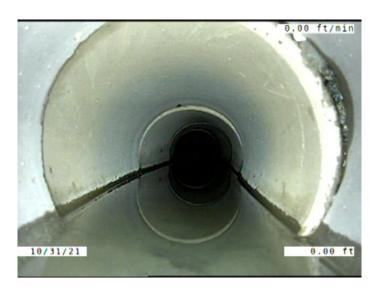
Code: AMH Description: Manhole

Distance (ft): .0 Structural Grade: 0 0 O&M Grade:

Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint: NO

Remarks: M-504-041



MWL Code:

Description: **Miscellaneous Water Level**

Distance (ft): .0 Structural Grade: 0 O&M Grade: 0

Clock Start/From: Clock To:

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: MGO

Description: **Miscellaneous General Observation**

Distance (ft): 1.5 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: DROP INTO THE MANHOLE. HAD TO

START IN THE PIPE.



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 1.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S01** Within 8" of Joint: NO

Remarks:



Description: Roots Fine Joint

Distance (ft): 1.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 1.8
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: LOOKS TO BE LEAKING WATER

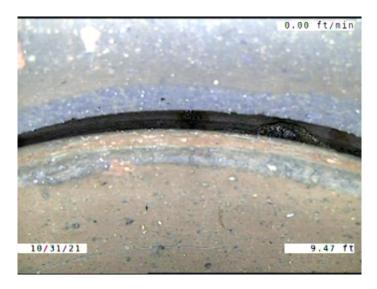


Code: CM
Description: Crack Multiple

Distance (ft): 1.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:



Code: **JOM**

Description: Joint Offset Medium

YES

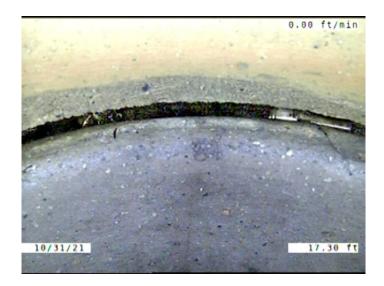
Distance (ft): 9.5
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: JOM

Description: **Joint Offset Medium**

Distance (ft): 17.3 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 20.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 3 Clock To: 1st Value: 2nd Value:

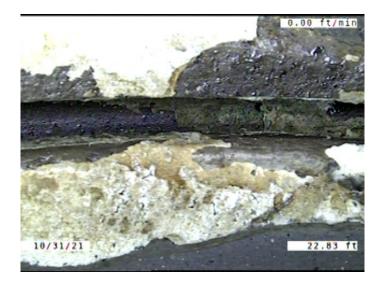
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 22.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 9

Clock To: 2

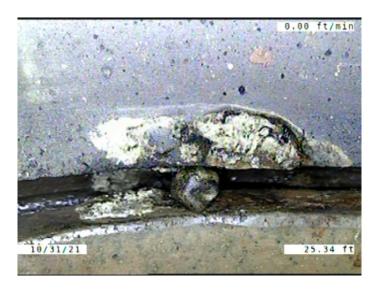
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 25.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:

Value Percent: 5.000
Continuous Index: S02
Within 8" of Joint: YES

Remarks:

narks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 27.5 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



ОВМ Code:

Description: **Obstruction Pipe Material in Invert**

Distance (ft): 31.9 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 6 Clock To:

1st Value: 2nd Value:

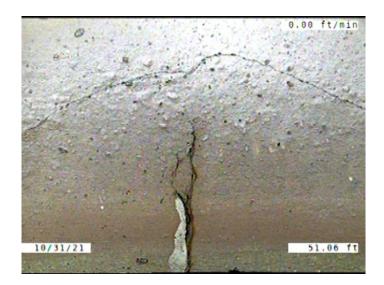
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: CM
Description: Crack Multiple

Distance (ft): 51.1 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 9 Clock To: 1 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:

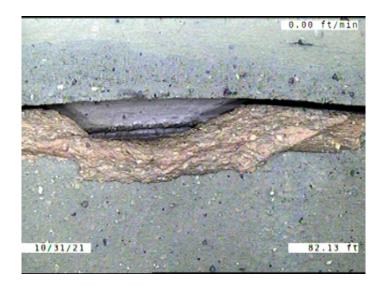


Code: CM

Description: Crack Multiple

Distance (ft): 53.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 3
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: YES

Remarks:



Code: SZ

Description: **Surface Damage Other**

82.1 Distance (ft): Structural Grade: 0 O&M Grade: 0 Clock Start/From: 10 Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

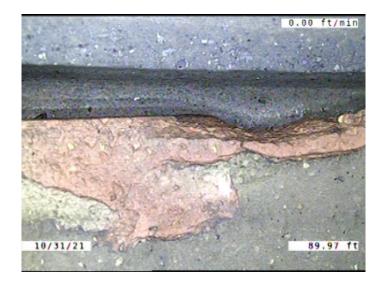
87.2 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: S03 Within 8" of Joint: NO

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 90.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9
Clock To: 10

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT



Code: MWLS

Description: Miscellaneous Water Level Sag

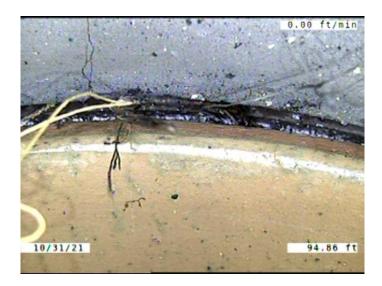
Distance (ft): 91.9
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Description: Roots Fine Joint

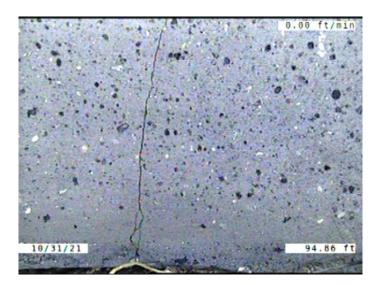
Distance (ft): 94.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 2
1st Value:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: CL

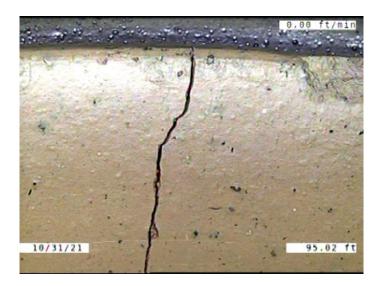
Description: Crack Longitudinal

Distance (ft): 94.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1
Clock To:
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **FS**

Description: Fracture Spiral

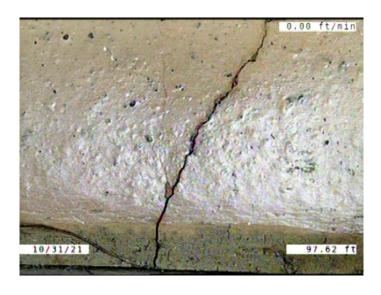
Distance (ft): 95.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 11
Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: Y

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 97.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 3

Clock To: 4

1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 97.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 100.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



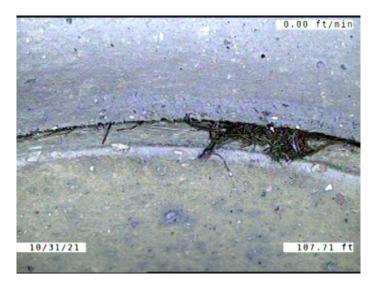
Description: Roots Fine Joint

Distance (ft): 105.3
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 11

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

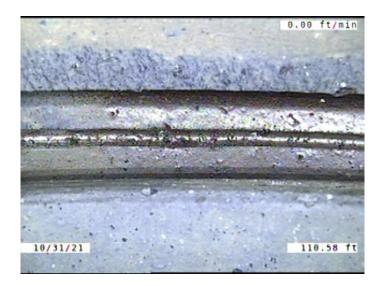
Description: Roots Fine Joint

Distance (ft): 107.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 110.6 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

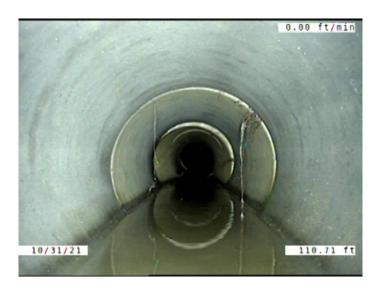
Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 110.7 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

10.000 Value Percent: Continuous Index: **S04** Within 8" of Joint: NO

Remarks:



Description: Roots Fine Joint

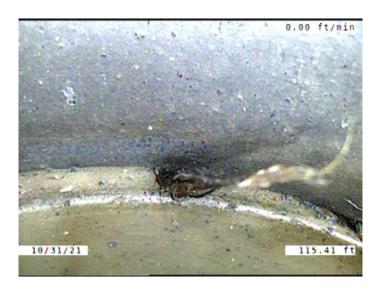
Distance (ft): 112.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 2

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 115.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Description: Roots Fine Joint

Distance (ft): **118.1**

Structural Grade: **0**O&M Grade: **1**

Clock Start/From: 9

Clock To: 2

1st Value:

2nd Value:

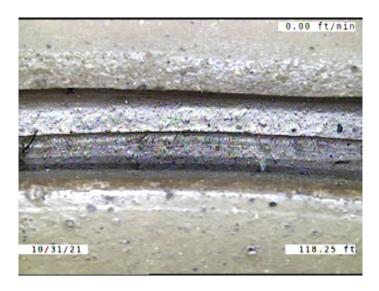
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): **118.2**

Structural Grade: **3**O&M Grade: **0**

Clock Start/From:

Clock To:

1st Value:

2nd Value:

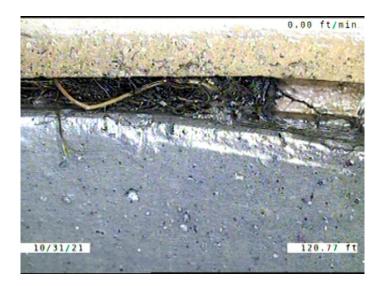
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Description: **Roots Fine Joint**

Distance (ft): 120.8 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 9

Clock To: 3 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 123.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F04 Within 8" of Joint: NO

Remarks:



Description: Roots Fine Joint

Distance (ft): 123.4
Structural Grade: 0
O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES

9



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 129.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 7

Clock To:
1st Value:
2nd Value:
Value Percent:

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 131.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 4

Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

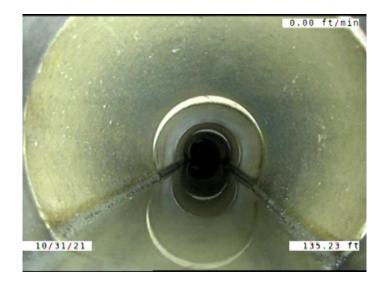
Distance (ft): 133.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:

.



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

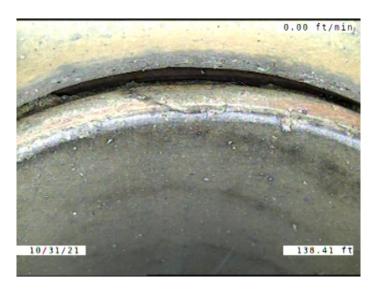
135.2 Distance (ft): Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S05** Within 8" of Joint: NO

Remarks:



JOM Code:

Description: **Joint Offset Medium**

Distance (ft): 138.4 Structural Grade: 3 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 139.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

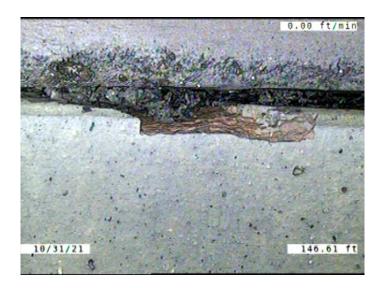
Description: Roots Fine Joint

Distance (ft): 143.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 2
1st Value: 2
nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 146.6
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

Clock To: 11

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 151.7
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 1

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

ii ks.



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 153.8 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F05 Within 8" of Joint: NO

Remarks:



RFJ Code:

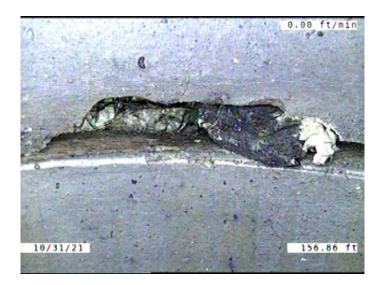
Description: **Roots Fine Joint**

Distance (ft): 154.2 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 11 Clock To: 12 1st Value: 2nd Value:

Value Percent: Continuous Index: Within 8" of Joint:

YES

Remarks:



Code: SZ

Description: Surface Damage Other

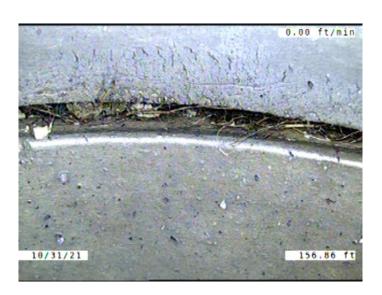
Distance (ft): 156.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10
Clock To: 11

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 156.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 159.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F02
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 161.8
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: M-504-034