

Bridge 03374 Inspection Report



Latitude:34.45243, Longitude:-91.41669

Route:130 Section:06 Log:9.45

Arnold Road ID:1x130x6xA, Arnold Log mile:9.456

District 02, 1 - Arkansas County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

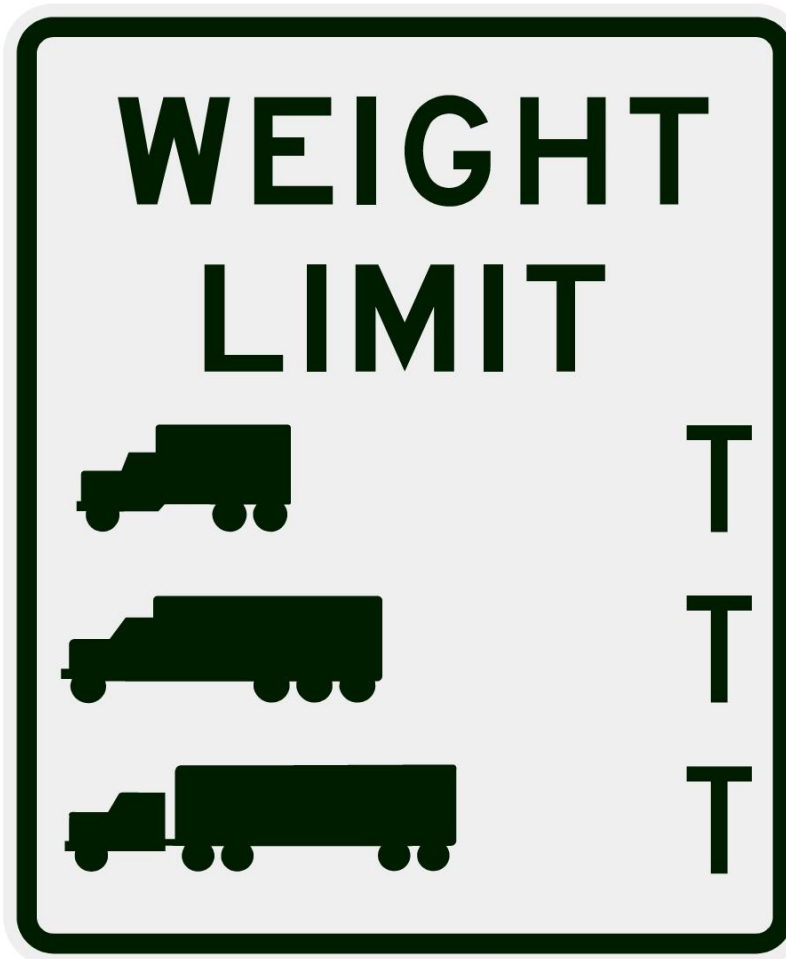
Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

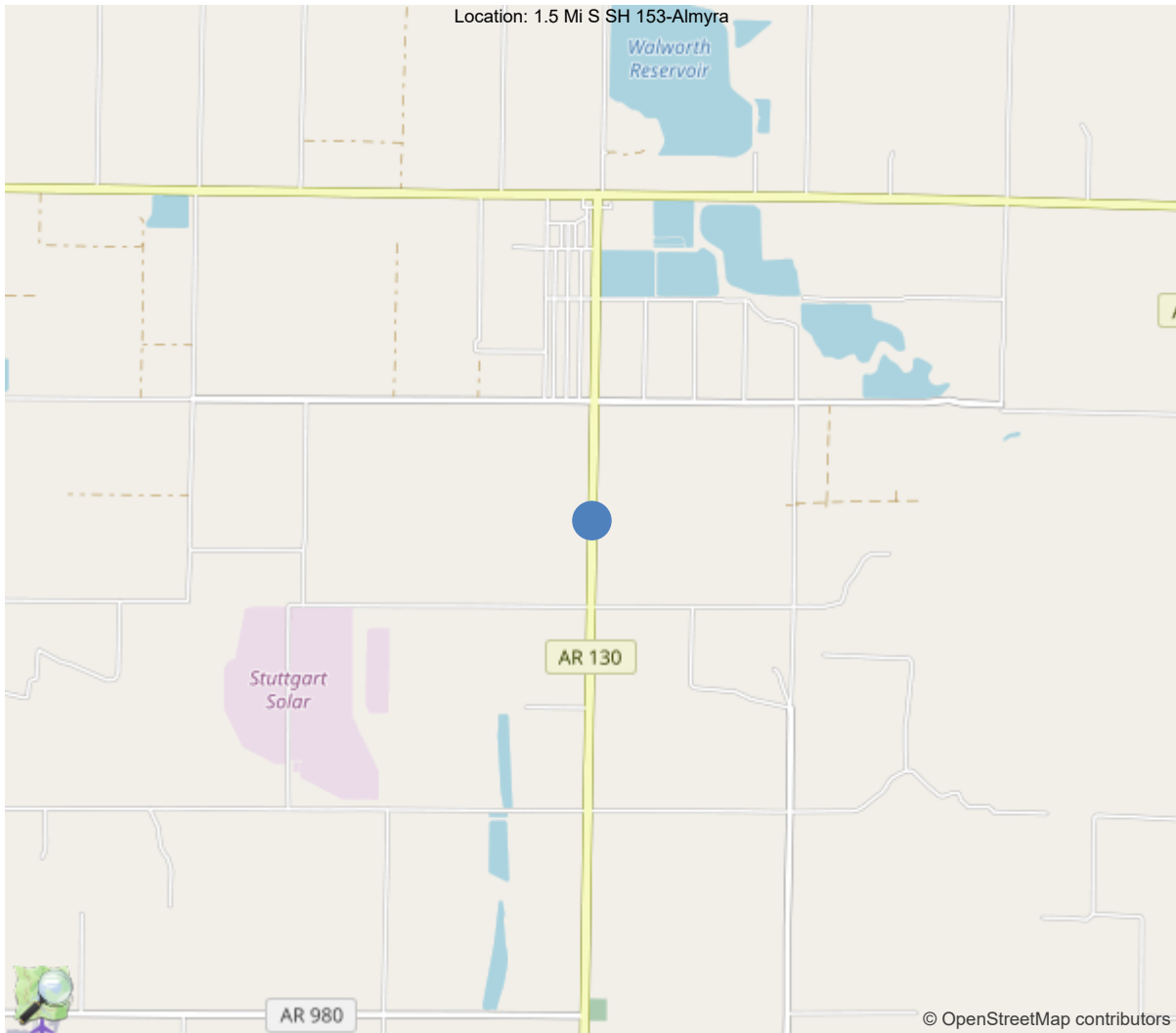
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	29		
Code 9 (31 Tons)	32		
Code 5 (40 Tons)	44		

If calculated capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner.



30"x36" AR



34.45243, -91.41669

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03374
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	1 - Arkansas County
(4) Place Code	0
(6) Features Intersected	Wildcat Ditch - Ark Co
(7) Facility Carried	SH 130-06 LM 9.45
(9) Location	1.5 Mi S SH 153-Almyra
(11) Mile Point	9.45 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.4524264025935
(17) Longitude	-91.4166948298613
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1961
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	690
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	57 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	25 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	25.6 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	5 - None present but re-evalua
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	8
(59) Superstructure	7
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	39
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	23
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	1180
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			04/15/2025
(91) Frequency			24
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



Asset #03374(Routine, Underwater type 2)

SH 130-06 LM 9.45 over Wildcat Ditch - Ark Co

Location: 1.5 Mi S SH 153-Almyra

Team Lead: Phillip Dowell Inspection Date: 04/15/2025

Inspection Notes

General Observation

Bridge is logged from north to south.

Inspection of this structure can be performed by foot.
Normal water level requires use of waders.

58 - Deck (8 - VERY GOOD CONDITION - no problems noted.)

Deck is in very good condition with no notable problems.
Wearing surface has some minor cracks.

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Superstructure is in good condition with a couple spalls/exposed rebar and one area of cracking.

60 - Substructure (8 - VERY GOOD CONDITION - no problems noted.)

Substructure is in very good condition with no notable problems.

62 - Culverts (N - Not applicable. Used if structure is not a culvert.)

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

Channel is in very good condition with well-vegetated/protected banks and no notable problems.

71 - Waterway Adequacy (8 - Bridge deck above roadway approaches. Slight chance of overtopping roadway approaches.)

72 - Approach Roadway Alignment (8 - Equal to present desirable criteria)

113 - Scour Critical Bridges (5 - Bridge foundations determined to be stable for assessed or calculated scour condition. Scour is determined to be within the limits of footing or piles (Example B) by assessment (i.e., bridge foundations are on rock formations that have been determined to resist scour within the service life of the bridge), by calculations or by installation of properly designed countermeasures (see HEC 23).)

A-51 - Inspection Direction (1 - N to S)



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A-15 - Late Reason (Optimize Schedule)

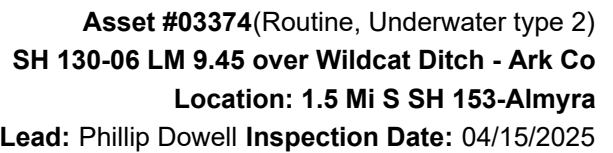
A-45 - Bats Present (0 - No)

A-108 - Load Rating Requested

A-119 - Scour Assessment Request (No - Scour Assessment not requested at this time.)

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)

Scour condition is excellent with no erosion present.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1425	1425	0	0	0
510	Wearing Surfaces	SF	1368	1282	19	67	0
3220	Crack (Wearing Surface)	SF	86	0	19	67	0
(16) Deck: 25' wide x 57' long = 1425 SF total. Wearing surface (2 1/2" thick asphalt): 24' wide x 57' long = 1368 SF total. Wearing surface - Transverse cracking @ Bents 2 & 3. 48 SF CS3 Crack A couple longitudinal cracks - Spans 1 & 3 left. 19 SF CS2 Crack, 19 SF CS3 Crack							
110	Reinforced Concrete Open Girder/Beam	LF	399	392	3	4	0
1090	Exposed Rebar	LF	4	0	0	4	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(110) Girders: Spans 1-3 / 7 precast channel beam units per span (19' span = 57' total span) = 399 LF total. Units are bolted transversely and longitudinally - no noted missing or loose bolts. Span 3 Unit 1: Small spall on right and left leg 3' ahead of Bent 3 - and small spall with exposed rebar near Bent 4. 3 LF CS3 Exposed Rebar Span 3 Unit 2: Spalls with exposed rebar near mid-span. 1 LF CS3 Exposed Rebar Span 3 Unit 2: Some longitudinal cracking on bottom of left leg. 3 LF CS3 Cracking							
215	Reinforced Concrete Abutment	LF	72	72	0	0	0
(215) Abutments: Bents 1 & 4 / 26'-6" = 27' each (with 4'-6" wings each corner) = 72 LF total. Bent 1: Minor erosion near centerline exposing bottom face of cap.							
227	Reinforced Concrete Pile	EA	6	6	0	0	0
(227) Piling: Bents 2-3 / 3 per bent = 6 pile total.							
234	Reinforced Concrete Pier Cap	LF	52	52	0	0	0
(234) Caps: Bents 2-3 / 25'-6" = 26' each = 52 LF total.							
301	Pourable Joint Seal	LF	48	0	0	48	0
2350	Debris Impaction	LF	48	0	0	48	0
(301) Joints: Bents 2-3 / 24' each = 48 LF total. Bent 2-3: Debris impaction from overlay and chip seal. 48 LF CS3 Debris Impaction							
330	Metal Bridge Railing	LF	114	69	45	0	0
1000	Corrosion	LF	45	0	45	0	0
515	Steel Protective Coating	SF	285	173	0	112	0
3440	Effectiveness (Steel Protective Coatings)	SF	112	0	0	112	0
(330) Railing: 57' each side = 114 LF total. Coating: 2.5 square feet per linear feet of railing = 285 SF total.							



Asset #03374(Routine, Underwater type 2)

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Location: 1.5 Mi S SH 153-Almyra

Team Lead: Phillip Dowell Inspection Date: 04/15/2025

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Metal railing with concrete posts.						
	Right side: Light surface corrosion with minor pitting on top of rail.	45 LF	CS2	Corrosion,	112 SF	CS3	Effectiveness (Coating)

Inspection Photos and Notes



Elevation - Left side view



Roadway view



Deck - Spans 1-3: Typical



Undersurface - Span 2: Typical



Channel - Left side view



Channel - Right side view

Maintenance Needs

Date Reported: 04/07/2021

Priority: C - Important

Type of Work: Approach Leveling/Maintenance

Status: Assigned

Component: Approach

Deficiency Description

Approach railing -

Bent 1 right: One missing post.

Bent 4 right: Damage from fallen tree.

Remarks



03/14/2023

Bent 1 right approach railing has missing rail post.



04/06/2021

Approach railing - Bent 4 right: Damage from fallen tree

Maintenance Needs

Date Reported: 03/21/2019

Priority: D- Routine

Status: Monitor

Type of Work: Approach Leveling/Maintenance

Component: Approach

Deficiency Description

Approach roadway - Bents 1 & 4: Some deterioration and cracking of asphalt wearing surface - with minor settlement - resulting in several small potholes and a slight bump right at bridge ends.

Remarks



01/01/2020

Approach roadway - Bent 4: Settlement and pot hole



01/01/2020

Approach roadway - Bent 1 : Pot hole and settlement



04/06/2021

Approach roadway - Bent 1: Deterioration/settlement

Maintenance Needs

Date Reported: 03/21/2019

Priority: D- Routine

Type of Work: Channel Work/Drift Removal

Status: Repair Documented

Component: Channel

Deficiency Description

CORRECTED -

End-slopes - Bents 1 & 3 left: A couple small trees/bushes growing up right along edge or under bridge.

Remarks

05-03-2023: Vegetation cut/cleared.



CORRECTED -
picture of the area cleared



End-slope - Bent 1 : Vegetation



End-slopes - left side: Vegetation



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No
A-65 - Clogged deck drains?	
A-66 - Approach minor pothole/leveling needed	

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

A-56 - Joint Cleaning/Flushing Needed (No)



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A-57 - Beam End and Bearing Painting Needed (No)

A-58 - Cap Cleaning/Flushing Needed (No)

A-59 - Joint Repair Needed (No)

A-60 - Full Beam Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (No)

A-63 - Missing/Incorrect Log Mile Signage (No)

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains?



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A-66 - Approach minor pothole/leveling needed



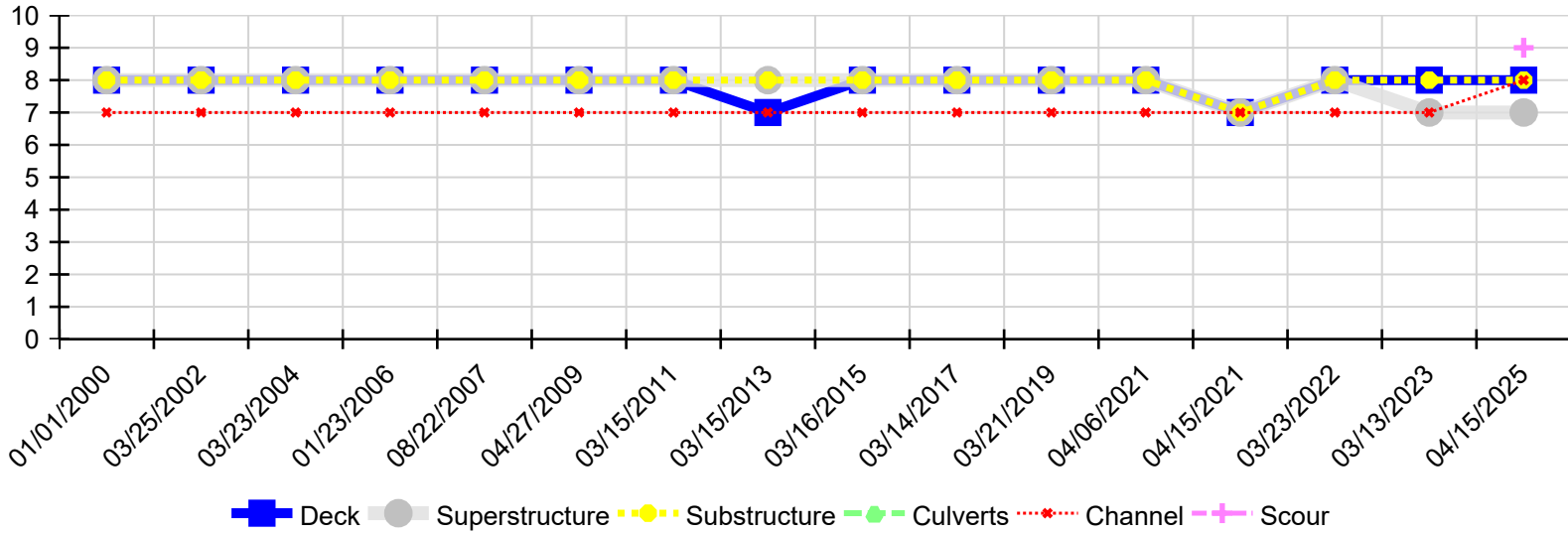
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/15/2025	8	7	8	N	8	9
03/13/2023	8	7	8	N	7	N
03/23/2022	8	8	8	N	7	N
04/15/2021	7	7	7	N	7	N
04/06/2021	8	8	8	N	7	N
03/21/2019	8	8	8	N	7	N
03/14/2017	8	8	8	N	7	N
03/16/2015	8	8	8	N	7	N
03/15/2013	7	8	8	N	7	N
03/15/2011	8	8	8	N	7	N
04/27/2009	8	8	8	N	7	N
08/22/2007	8	8	8	N	7	N
01/23/2006	8	8	8	N	7	N
03/23/2004	8	8	8	N	7	N
03/25/2002	8	8	8	N	7	N
01/01/2000	8	8	8	N	7	N