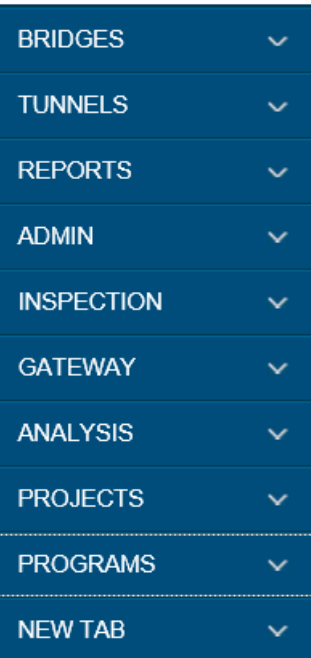


AASHTOWare Bridge



2017BrMUG
Reports TAG Update



Report TAG baseline suggestions:

- Font size should be legible
- English units
- Most existing reports should be started from scratch
- Any table on a page should be able to be exported in excel



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Updated reports?

- 23 Metrics
- Orphaned Elements



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23 Metrics

- Includes Metrics 6, 7, 8, 9, 10, 11, 13, and 14

23 Metric Review Report

Metric 6 - Routine Inspection Low Risk

Structure Number (8)	Structure Name	From Last Routine Insp	Insp Freq (91)	Last Routine (90)	From Prev Insp	Previous Routine Date	Super (59)	Sub (60)	Culvert (62)	Posting (70)	Rating Method (63)	Post Status (41)	Scour (113)
000000000010150	00310C 117.62	50	48	Jul-13	24	Jul-11	6	6	N	5	1	A	N
000000000018780	S09520G 529.96	50	48	Jul-13	24	Jul-11	N	N	5	5	1	A	8
000000000018785	S09520G 530.28	50	48	Jul-13	24	Jul-11	N	N	6	5	1	A	8
000000000018915	S09700A 89.44	50	48	Jul-13	24	Jul-11	6	6	N	5	1	A	8
000000000018920	S09700A 90.61	50	48	Jul-13	24	Jul-11	6	6	N	5	1	A	8



Orphaned Elements

Orphaned Element Analysis Report

The most common source of orphans is an improper configuration of the parent-to-child element relationship. This section of the report will list all instances where a child element is assigned to a parent element which is not configured. If it should be configured this way, go to Admin > Modeling Config > Element-Child Linking to allow the linkage. If the link is properly not configured, the structure number and inspection key of the improper linkage are listed here; fix the orphaned element on the inspection.

000018	WCDF	11/01/2016	1	1
--------	------	------------	---	---

Element 30 - Steel Deck - Orthotropic is not assigned to a parent element.

Structure	Inspection	Inspection Date	Structure Unit	Environment
000018	BGEZ	02/12/2013	1	2
000018	BHBZ	11/06/2014	1	2
000018	ULLG	02/11/2015	1	2

00 A less common type of orphaned element can occur when a child element and parent element do not have the same settings. They could be assigned to different structures, different inspections, different spans or structure units, or perhaps different environments. This section of the report lists all the assignments of the child element and those of the parent, highlighting the mismatch. These types of errors are typically caused by data copying directly inside the database and should be fixed by repairing the keys and GUID's in the database.

Other detected conflicts:

Element:	16	Re Conc Top Flange	Bridge Check:	000007	=
			insp Check:	AACZ	=
Linked to:			Str Unit Check:	1	=
			Env Check:	1	=
Element:	331	Re Conc Bridge Railing	Bridge Check:	000007	=
			insp Check:	IANY	=
Linked to:			Str Unit Check:	1	=
			Env Check:	1	=

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Which reports to focus on?

- The TAG decided to discuss inspection/SI&A first.



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Which “existing” reports to focus on?

- Inspection
- Inspection SI&A
- Network Element Summary
- Bridge Condition Summary



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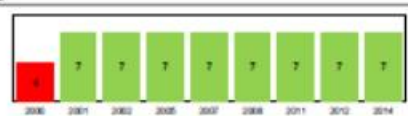
2C 402
 9th South Ramp EB Over 2nd & W. Temple
 Inspector: Colby Christensen
 Inspection Date: July 16, 2014

IDENTIFICATION	
Bridge Key:	2C 402
NBI Number	9th South Ramp EB Over 2nd & a
Structure Name:	9th South Ramp EB Over 2nd & a
Location (8)	990 S/O 200 WEST SLC
Carries (7):	I-15 Ramp to SR-270
Type of Service (42A)	1 Highway
Feature Crossed (8):	200 W. & WEST TEMPLE
Type of Service (42B)	1 Highway
Placecode (4):	Salt Lake City city
County (3):	Salt Lake
State (1):	49 Utah
Station:	2425
Region (2):	Region 2
Latitude (18):	40.75
Longitude (17):	-111.90
Owner (22):	State Highway Agency
Custodian (21):	01 State Highway Agency
Year Built (27):	1967 <small>Number 200k last Applicable (P)</small>
Year Recon (108):	2,001 <small>Number Number</small>
Historical (37):	1 Not eligible for rehab <small>% Responsibility: 0</small>

INSPECTION			
Date of Inspection (90):	7/16/2014		
Frequency (91):	24		
Next Inspection:	7/16/2016		
Inspection Type	Freq (92)	Last Insp (93)	Next Insp
Element	24	7/27/2012	7/16/2016
Fracture Critical (A)	-1	1/1/1901	1/1/1901
Underwater (B)	-1	1/1/1901	1/1/1901
Special Insp (C)	-1	1/1/1901	1/1/1901

LOAD RATING AND POSTING	
Posting Status (41):	A Open, no restriction
Posting % (70):	5 At/Above Legal Loads
Rating Date:	7/17/2013
Design Load (31):	6 MS18(HS20)+mod
Opr Method (63):	8 LRFR by RF
Opr Rating (64):	0.92
Inv Method (65):	8 LRFR by RF
	0.71

DECK GEOMETRY	
Deck Geometry (88):	3 Intolerable - Correct
Deck Area:	17,716.88
Deck Type (107):	1 Concrete-Cast-In-Place
Wearing Surface (108A):	6 Bituminous
Membrane (108B):	1 Built-up
Deck Protection (108C):	1 Epoxy Coated Reinforc
O. to O. Width (62):	33.00
Curb / Sidewalk Width L (60A):	0.00
Curb / Sidewalk Width R (60B):	0.00
Median (33):	1 Open median



DECK CONDITION	
Deck Rating (68):	7 Good
Bridge Rail (38A):	1 Meets Standards
Transition (38B):	1 Meets Standards
Approach Rail (38C):	1 Meets Standards
Approach Rail Ends (38D):	1 Meets Standards

SUPERSTRUCTURE GEOMETRY	
# of Main Spans (46):	9
# of Approach Spans (48):	0
Main Material (43 A):	3 Steel
Main Design (43 B):	02 Stringer/Girder
Max Span Length (48):	69.17
Structure Length (49):	529.74
NBIS Length (37):	Long Enough
Temp Structure (103):	Not Applicable (P)
Skew (34):	0
Structure Flared (36):	0 No flare
Parallel Structure (101):	Right of [] bridge
Approach Alignment (72):	6 Equal Min Criteria



SUPERSTRUCTURE CONDITION	
Superstructure Rating (69):	6 Satisfactory
Structure Evaluation (87):	4 Minimum Tolerable



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- “One Stop” Inspection reports
- Combines SI&A, Element Report, Inspection Procedures Report, and a Channel Profile Report

WYOMING DEPARTMENT OF TRANSPORTATION
INVENTORY AND INSPECTION REPORT



Structure Number AAY Laramie County	Bridge Over Crow Creek I-25 NBL (ML25I) I-25 & US 87	WYDOT Owned MP 10.37
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5 Span - Concrete Continuous - Slab

Inspection Date: April 06, 2017

Prepared by: _____
 Organization: Infrastructure Engineers
 Lead Inspector: R. Hafer
 Assistant Inspector: T. Holt

Primary Inspection Type: Routine NBI

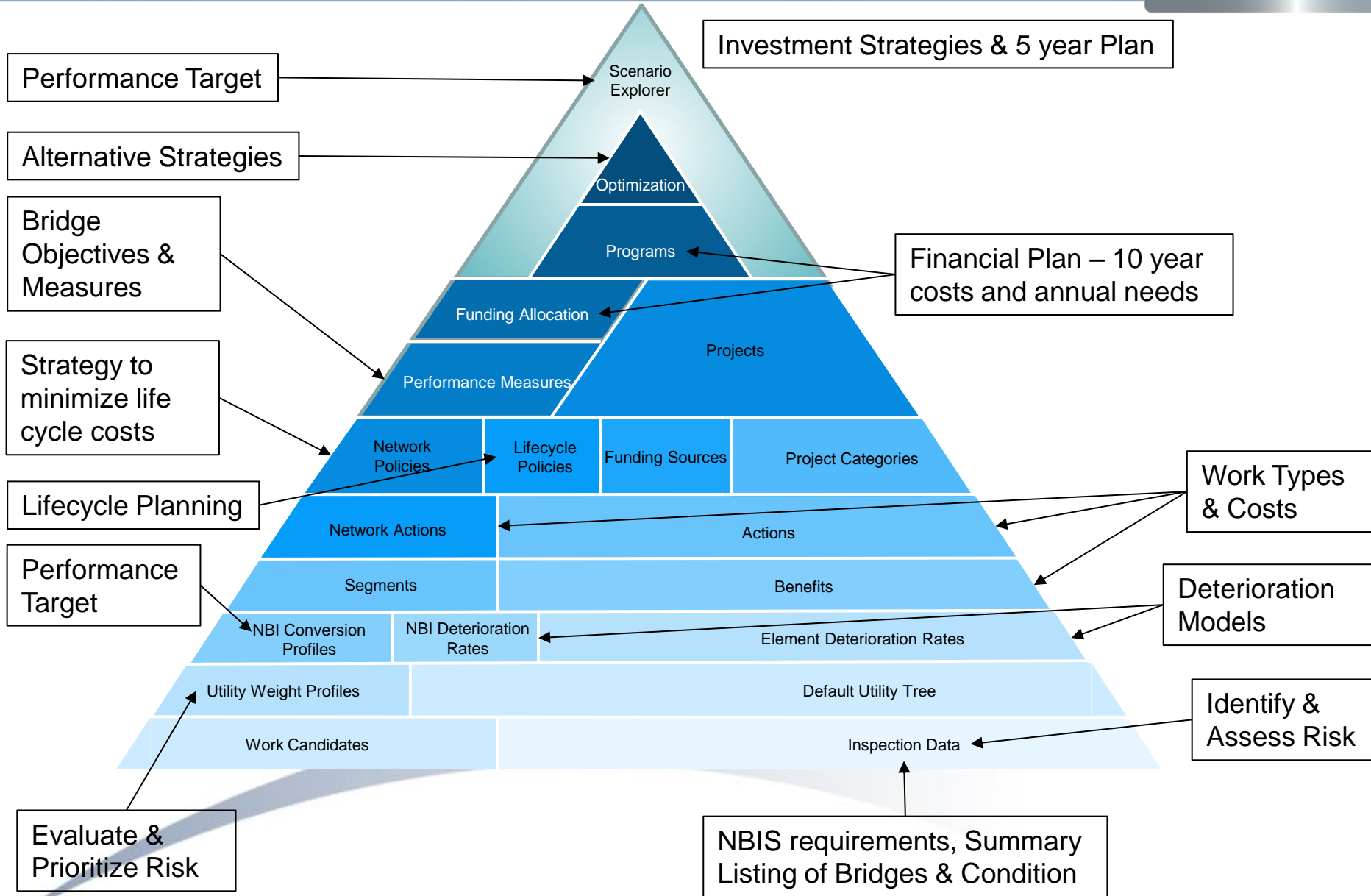
Type of Inspections Performed

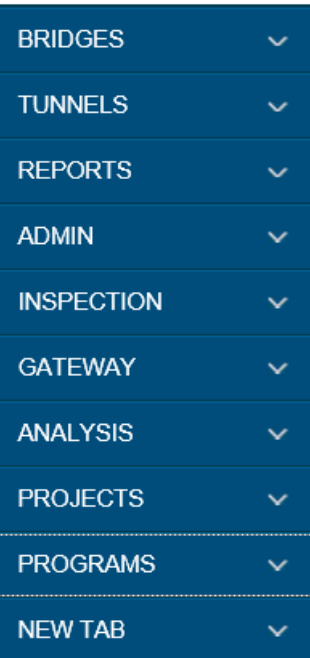
National Bridge Inventory	X	Fracture Critical
Element Condition	X	Underwater
		Other Special



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Which other reports to focus on?





Which other reports to focus on?

- Provide feedback/ideas on handout
 - Interested not only in *which* reports, but what content do you need?
- Add thoughts later and email Beckie (curtisr4@michigan.gov)



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Or... join the Reports TAG!

