

Bridge Inspection Program

I. MAINTENANCE, REHABILITATION AND REPLACEMENT PROGRAM

II. INSPECTION PROGRAM (SMS Data will be utilized)

B. STAFFING

1. Name of individual who is the **Program Manager** (makes FINAL DECISION)

(Metric 1&2)

John Wackerly

- a. List qualifications/yrs. experience (bridge inspection experience) **see resume**
- b. List courses attended (& approx dates)

2. Name of individual in charge of bridge inspection unit (**Reviewer**) (Metric 1)

John Wackerly

- a. List qualifications/experience (bridge inspection experience) **see resume**
- b. List courses attended (& approx dates)

3. **Team Leader** - individual in charge of bridge inspection team (INSPECTED BY)

(Metric 1&3)

John Wackerly

- a. List qualifications/yrs. experience (bridge inspection experience) **see resume**
- b. List courses completed (& approx. dates)
- c. Indicate the percentage of time spent on the listed duties in the previous year

%TIME

100% Bridge/Culvert inspection
_____ Bridge Design/Plan prep

_____ Bridge Construction
_____ Bridge Maintenance

Overload/Superload
 Surveying
 Other -

100%

C. INSPECTION EQUIPMENT

1. Type of vehicle used for inspections pickup

2. What typical inspection equipment does the inspection team normally carry with them to the inspection site?

	Yes/No		
Extension Ladder	<input checked="" type="checkbox"/>	First Aid Kit	<input checked="" type="checkbox"/>
what length?	<input type="checkbox"/>	Wire Brush	<input checked="" type="checkbox"/>
6' Folding Rule	<input type="checkbox"/>	Calipers	<input checked="" type="checkbox"/>
100' Fiberglass Tape	<input type="checkbox"/>	Shovel	<input checked="" type="checkbox"/>
Geologist Hammer	<input checked="" type="checkbox"/>	Screw Driver	<input checked="" type="checkbox"/>
Inspection Mirror	<input type="checkbox"/>	Pliers	<input checked="" type="checkbox"/>
Flashlight	<input checked="" type="checkbox"/>	Wrenches	<input type="checkbox"/>
Thermometer	<input type="checkbox"/>	Sounding Chains	<input type="checkbox"/>
Plumb Bob	<input type="checkbox"/>	Hip Boots and Waders	<input checked="" type="checkbox"/>
Camera	<input checked="" type="checkbox"/>	Paint Stick/Crayon	<input checked="" type="checkbox"/>
2'-0" Level	<input checked="" type="checkbox"/>	Scraper	<input checked="" type="checkbox"/>
Brush Hook/Axe	<input type="checkbox"/>	Probing Rod	<input checked="" type="checkbox"/>
Boat	<input checked="" type="checkbox"/>	Vertical Clearance Rod	<input type="checkbox"/>

3. List types of NDT methods used (IE. dye penetrant, magnetic particle, ultrasound)

4. How is usage determined?

5. List additional items

6. What equipment does your team have available for "hands on" access to FCM bridge members? (Metric 16) **waders, step ladder, extension ladder, climbing harness, boat**

7. Use of equipment (Metric 16)

- a. How many bridges need a snooper?
- b. How many bridges is it used on?
- c. How often?

D. INSPECTION PROCEDURES

1. Approximately how many inspections were made during last calendar year? (Metric 6)
400

2. Approximately how many inspections are scheduled for the current calendar year?

(Metric 6)

400

3. Average number of inspections per day (Metric 6)

12

4. Approximately how long (hours) does it take to inspect average sized structures

a. Beam/Girder 50 minutes

b. Slab 40 minutes

c. Truss (pony/through/deck) 3 hours

d. Culvert 30 minutes

5. Are previous inspection reports available at site for review? (Yes No)

(Metric 15)

Are bridge inspections recorded in field on paper or electronically? Please describe: marked on paper copy, entered in SMS in office

Are photos available for every bridge? (Yes No)

Are photographs taken of defects during inspection? (Yes No)

Are Bridge comments recorded? (Yes No) Where? Separate comments form that goes with each inspection form

Are bridge comments brought to the bridge? (Yes No)

6. Are the bridge plans carried to the bridge site for review if necessary or are they readily available for review in the bridge office? (Metric 15)

a. Bridge site (Yes No)

b. Bridge office (Yes No)

7. Who determines the need for a routine inspection frequency greater than once Annually, and what criteria is used? (Metric 6)

8. List bridges requiring inspection more frequently than one year intervals (DAMAGE, IN-DEPTH, SPECIAL INSPECTIONS). List frequency of inspection. (Metric 11)
none

9. Does the inspection team believe it has enough time to do the job? (Yes No)

15. Is a Team Leader at the bridge at all times during the following inspections? (Metric 12)

Initial Inspection? (Yes No)

Routine Annual Inspections? (Yes No)

In-Depth Inspections? *N/A* (Yes No)

Underwater Inspections? *N/A* (Yes No)

Fracture Critical Inspections? (Yes No)

F. INVENTORY

1. What kinds of inventory quality assurance checks are performed? (Metric 22)

2. How often is the inventory checked for needed updates? (Metric 22)

3. How is the inventory data input into the system? Entered into SMS in office. Data taken from plans and load rating summary

4. When is the updated inventory data forwarded to ODOT? (Metric 23)

Changes discovered during inspection?

Changes from new construction or rehab?

G. PROCEDURES

1. Are new maintenance problems identified on the bridge inspection form?

(Y N) On another form? (Yes No) (Metric 15)

List of repair recommendations.

2. How do the inspectors inform maintenance personnel of routine bridge maintenance problems (written, oral, other)? (Metric 15)

written

3. Who do the inspectors notify when emergency repairs or critical findings are necessary (action required within 1 week)? (Metric 21)

by phone then email then critical finding form in SMS

How is this emergency action documented?

4. If a bridge requires emergency repairs, is this noted as part of the inspection report or as a separate document? (Metric 21)

5. Who checks proper placement of signs (load posting, clearance, speed restriction, narrow bridge etc.)? (Metric 15)

Bridge Inspector Team Leader