OHIO CLASSIFICATION SPECIFICATION
Developed for Equal Opportunity

CLASS TITLE: Bridge Inspector

NEW AUG 0 2 1987

CODE: 84721C

MAJOR AGENCIES: County Offices, Universities

JURISDICTION: Cnty., Univ.

FUNCTION: Under general supervision from project engineer 4 or 5, inspects bridges to evaluate structural conditions for deterioration & existence of potential hazards, maintains records of inspections, prepares reports of bridge conditions & recommendations for rehabilitation & assists district bridge crews in repair of bridge structures; PERFORMS RELATED DUTIES AS REQUIRED

RANK	% OF TIME	JOB DUTIES	MAJOR WORKER CHARACTERISTICS
1	55-61	Independently or in 2-man team situation, inspects bridges to evaluate structural condition & determine extent, if any, of damages, deterioration & potential hazards, operates variety of equipment in bridge inspection (e.g., measures quality & strength of existing concrete with swiss hammer, operates ultrasonic thickness gage to measure thickness of steel & other metals & detect cracks in steel not visible otherwise, operates corrosometer to detect corrosion activity in reinforcing steel embedded in concrete) & sketches & photographs area of deterioration in structural components.	Knowledge of (1) bridge design, construction & maintenance, (2) bridge inspection procedures & related safety practices*; skill in (3) operation of bridge inspection equipment*; ability to (4) define problems, collect data, establish facts & draw valid conclusions, (5) calculate fractions, decimals & percentages, (6) understand manuals & verbal instructions, technical in nature, (7) cooperate with co-workers on group projects, (8) lift 90 pounds.
2	34-40	Maintains records of bridge inspections, prepares reports encompassing findings & recommendations regarding bridge conditions & rehabilitation, drafts & sketches plans for bridge repair & painting & collects & records input data regarding bridge structures for bridge analysis & rating system.	Knowledge of 1, 2*, (9) drafting; skill in (10) use of drafting tools; ability to 4, 5, 6, (11) gather, collate & classify information about data, people or things.
3	2-8	Assists district bridge crews in making repairs to bridge structures.	Knowledge of 1; skill in (12) operation of bridge maintenance equipment; ability to 6, 7, (13) lift 100 pounds.

(120)

123.1-7-17

*Developed after employment

UNUSUAL WORKING CONDITIONS: Requires travel; must climb bridges during inspections.

MINIMUM CLASS REQUIREMENTS: *(including license, if any.)* Shall be registered professional engineer with expertise in field of bridge design, construction & maintenance or technician who has general knowledge of structural behavior, experience with bridges, attended Bridge Inspector's Training Course & who works under direct supervision of professional engineer qualified to perform inspections.