

INTERAGENCY QUALITY ASSURANCE COMMITTEE (IQAC)

Offsite Inspection and Testing



Pavement Section Design Verification

1.0 **PURPOSE:** This policy establishes the guidelines by which the IQAC agency will review and approve the verification of pavement section designs.



2.0 **REFERENCE CODES AND STANDARDS:**

2.1 **Clark County Standard Specifications & Drawings:** Section 401 "Plantmix Bituminous Pavements - General", Standard Drawings 200 & 200A.

2.2 **Other:** NRS 338.176, NAC 625.550, most current ASTM, AASHTO, NDOT test procedures as indicated in applicable section of Uniform Standard Specifications.

3.0 **STATEMENT OF POLICY:**

SUBMITTAL

Submittal format shall be completed in accordance with the current IQAC procedure and in compliance with the NRS 338.176 and NAC 625.550 statutes. The project developer or their representative shall submit a transmittal letter to the local IQAC jurisdictional agency requesting the review and approval of the materials report and/or recommendation for the proposed use of the material on the project.

REPORT

The report must be prepared by, or under the direction of, a Professional Engineer registered in the State of Nevada. The report shall include a plot plan showing the locations of the samples obtained and tested, the limits of the area(s) recommended for acceptance, the test data supporting the recommendations and any limitations to the recommendations for acceptance. The report must be signed and stamped by the responsible engineer.



SAMPLING AND TESTING

Material shall be sampled from street subgrade and shall be tested as follows:

- The material must be obtained and tested by an approved laboratory. The most current ASTM, AASHTO, NDOT test procedures shall be used. Testing requirements shall be from the applicable sections of the Uniform Standard Specification
- A sample for R-Value testing shall be obtained and tested every 1000 lineal feet and fraction thereof. The material shall be sampled from the soils occurring within two (2) feet of final subgrade.
- Testing for r-values may be reduced to one (1) test per project if the Engineer confirms, through associated testing (sieve analysis, plasticity index), that the soil classification of the r-value tested sample is consistent with the soil classification of the proposed subgrade material throughout the limits of the project. A minimum of two (2) samples is required for each project to verify the consistency of the soils classification.
- If the recommendation for the pavement design is included in the project Geotechnical Investigation Report, the verification of the recommendations shall follow the same procedure as outlined above (except that additional r-values may be waived by the agency) in the off-site area after the grading operation has been completed.
- Approval of the soils does not constitute acceptance of the material. All construction materials are subject to inspection and/or testing by the responsible agency personnel. Any material that does not conform to the engineering characteristics of those materials approved for use shall be removed and replaced with acceptable material.

4.0 REPORTING TO INCLUDE THE FOLLOWING:

- Pavement Section Recommendation by the Engineer
- Sieve results
- Liquid Limit and Plastic Index
- Proctor values with curve and rock correction procedure
- R-value and curve
- Plot plan of road and streets with sample locations identified


- Report stamped by the Professional Engineer of record

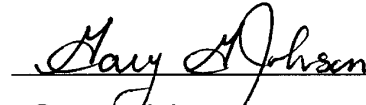
If testing provided by another laboratory, that data needs to be stamped by that laboratory engineer and included in the report

5.0 EFFECTIVE DATE:

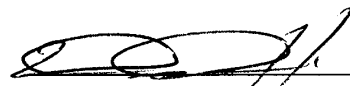
EFFECTIVE DATE: March 1, 2002


6.0 SIGNATURES

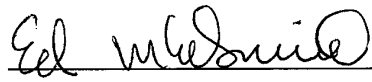
 12/12/01
Daniel W. Muirhead, P. E. Date
City of Las Vegas
Construction Services Superintendent


 12-12-01
Gary Johnson Date
Asst Super Construction Services
Testing



Ken Divich Date
Construction Services Supervisor
City of North Las Vegas


 12-13-01
Dale Daffern, P.E. Date
Construction Services Manager
City of North Las Vegas

 29 Nov 01
Michael Dunning, P. E. Date
Quality Assurance Supervisor
Clark County Public Works
Construction Division

 12/18/01
Ed McGuire, P. E. Date
Quality Control Engineer
City of Henderson

 11/29/01
Andy Orosco Date
Materials Testing Supervisor
City of Henderson

 11-29-01
Bill Tanner Date
Date Public Works Director
City Of Mesquite

 1/9/02
Dick Renshaw Date
Boulder City

6.0 SIGNATURES

Daniel W. Muirhead, P. E. Date
City of Las Vegas
Construction Services Superintendent

Gary A. Johnson Date
Asst Super Construction Services
Testing

Ken Divich Date
Construction Services Supervisor
City of North Las Vegas

Dale Daffern, P. E. Date
Construction Services Manager
City of North Las Vegas

Michael Dunning, P. E. Date
Quality Assurance Supervisor
Clark County Public Works
Construction Division

Ed McGuire, P. E. Date
Quality Control Engineer
City of Henderson

Andy Orosco Date
Materials Testing Supervisor
City of Henderson

Bill Tanner Date
Date Public Works Director
City Of Mesquite

Dick Renshaw Date
Boulder City

1.1