# TABLE II

# REPLIES OF STATES TO SAMPLING & TESTING QUESTIONNAIRE

| State | Frequency of Sampling (Lane Miles Per Sample) | Is Progress or Final Sampling Done by Other Than Central or District Lab Personnel? | Record Sample Thickness Tolerances: Aggregate Subbase | Record Sample Thickness Tolerances: Road Mix CTB Lime Treated Base Bit. Treated Base | Record Sample Thickness Tolerances: Aggregate Base | Record Sample Thickness Tolerances: Plant Mixed CTB | Record Sample Thickness Tolerances: Road Mixed Bit. Surf. | Record Sample Thickness Tolerances: A.C. Pavement | Record Sample Thickness Tolerances: P.C.C. Pavement (Side Form) | Record Sample Thickness Tolerances: P.C.C. Pavement (Slip Form) | Remarks | Quality Tests on Final Samples: Aggregate Base & Subbase: Compaction | Aggregate Base & Subbase: Grading | Aggregate Base & Subbase: CBR | Aggregate Base & Subbase: R-Value | Aggregate Base & Subbase: P.I. | Aggregate Base & Subbase: S.E. | Aggregate Base & Subbase: Other | A. C. Surf.: Stability | A. C. Surf.: Extraction | A. C. Surf.: Grading | A. C. Surf.: Density | Soil Cement or Cement Tr. Base: Strength | Soil Cement or Cement Tr. Base: Cem. Cont. | Soil Cement or Cement Tr. Base: Other | P. C. C. Pavement: Comp. Str. | P. C. C. Pavement: Cem. Cont. | P. C. C. Pavement: Other | Is Job Sampling and Testing Checked by Central Lab. Personnel? Present | Future | Frequency | Approximate Increase in Cost Due to BPR Audit Program: Total/Yr. | Lane Mile (A.C.) | Lane Mile (P.C.C.) | Audit Sampling Equipment: Number of Core Drills | Electric Hammers | Compressed Air Tools | Other | Average Life of Diamond Core Bits (In.): P.C.C. | A.C. | Improvement in Spec. Conformance Attributable to BPR Audit Program | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arizona | 2 (A.C.) 1/2 (P.C.C.) | No | ← Not Specified → | | | | | | ±1/8" | ±1/8" | | | X | | X | | | | X | X | | | | | X | | | Yes | - | - | Not Determined | | | 1 | | X | | - | - | Yes | |
| California | 1 | No | -0.10' - -0.20' | -0.08' +0.12' -0.15' | -0.05' +0.08' -0.10' | -0.04' +0.06' -0.08' | -0.03' +0.05' -0.06' | -0.02' +0.04' -0.04' | -0.01' +0.03' -0.02' | -0.01' +0.03' -0.02' | 80% of all test holes to be within those tolerances None to exceed. | X | X | | X | X | X | | X | X | X | | | | | X | | Density | No | Yes | - | $350 M | $150 | $75 | 3 | X | X | | *220 (12" dia.) 465 ( 5" dia.) | | Yes | *Use Diamond Core Bits on both concrete and A.C. Surface. |
| Colorado | No regular pattern | No | ← None Tonnage Basis → | | | | | | None Volume Basis | | | X | X | | X | X | X | | X | X | X | | X | X | | X | X | | Yes | - | - | Minor | | | 1 | | | | 100 | - | No change | |
| Hawaii | 1 | No | ±1/2" | ±1/4" | ±1/4" | ±1/4" | ±1/4" | ±1/4" | None Established | | Tenative, subject to Change | X | X | | | X | X | * | | X | X | X | N.A. | | | | None | | Yes | - | - | $24 M | $1200 | - | | | X | Concrete Saw | N.A. | N.A. | No | *Tests to determine flats, elongation % crushed |
| Idaho | 4 (Base) 1 (A.C.) | No | ← Over thickness tolerable if plan quantities are used → | | | | | | | | | X | X | | | | X | | X | X | X | X | | X | | Density | None | | Yes | - | - | $25 M | $100 | - | 1 | | X | | - | 600 | No | |
| Nevada | 1/2 (Ave.) | No | ← Agreement not yet reached on tolerances → | | | | | | | | | X | | | | X | X | | X | X | X | X | X | X | | | None | | Yes | - | 8 (Ave.) | Unknown | $41 | - | 1 | | X | Concrete Saw | - | - | Yes | |
| New Mexico | 1/3 | No | -1/2" | -1/2" | -1/2" | -1/2" | -1/2" | -1/2" | -1/2" | -1/2" | | X | X | | X | X | | | | X | X | X | X | X | | X | | | Yes | - | 2/Mo. | - | $80 | $120 | 1 | | X | Concrete Saw | 400 | - | Yes | |
| Oregon | 1/2 | Yes BPR Engineers | - | - | - | - | - | Weight Basis | ±1/8" | N.A. | | X | X | | X | | X | | | X | X | X | | | | X | | Steel Place-ment | Yes | - | Variable | $25 M | - | - | 10 | X | X | | 340 | - | Yes | Progress sampling ccs. by job personnel |
| Texas | 1 | No | * | * | * | * | * | * | * | * | * Specification tolerances only | X | X | | | X | X | | X | X | X | | | | | | | | Yes | - | As Required | - | - | - | 3 | | X | | 250 | - | Yes | |
| Utah | 1 (Ave.) | Yes B.P.R. Engineers | ±3/4" | ±1/2" | ±1/2" | ±1/2" | ±3/8" | ±5/16" | ±5/16" | N.A. | | X | X | X | | X | | | X | X | X | X | X | | Density | X | | Density | Yes | - | 2 Min. per contract | - | - | - | 7 | X | X | | 669 | 1226 | Yes | |
| Washington | 2 (Base & Subbase) 1/2 (A.C., P.C.C.) | No (applies only to final sampling) | * ** -10%-20% - 5%-10% - 4%- 8% | - | * ** -10%-20% - 5%-10% - 4%- 8% | * ** -5%-10% -4%- 8% | - | * ** -1/8-3/8' -1/8-1/2" | * ** -1/8-1/2" | N.A. | Base & Subbase A.C. Surf. to 6" thick <3" thick 6"-12" thick >3" thick Over 12" thick | | | | | | X | | X | X | X | | X | X | | X | | | No | - | - | $50 M | - | - | 1 | | | | 500 (same bits for both) | 500 | Same | *Ave. of all samplings **Individual samplings |
| Georgia | 1/2 | No | -1/2" | ±1/2" | ±1/2" | ±1/2" | N.A. | -1/4" | ±1/2" | N.A. | | X | X | | | X | | | | X | X | X | X | X* | | X | | | No | Yes | 10 Days 2 Weeks | $160 M | $180 | $195 | 6 | | | | 360 | - | Yes | *When indicated by results of strength test |
| Illinois | 1/2000'/ lane | No | -10% | -0.2" | -10% | - | -10% | Weight Basis | -1-1/4" | N.A. | | | X | | | X | | | X | X | X | X | | | | X | | Air Cont. | Yes | - | Weekly | $350 M | - | - | 3 | | | | 900 | - | Yes | *Tonnage basis |
| Iowa | 2 (1 P.C.C. core/ 2500 s.y.) | No | * | * | * | * | * | * | * | * | * Specification tolerances only | | | | | | | | | | | X | | | | X | | | Yes | - | As Required | - | - | - | 2 | | | | 500 | - | Yes | |
| Kansas | 1/5 (P.C.C.) 1 (A.C.) 1 (Base) | No | None | ±1/8" | ±1/8" | ±1/8" | ±1/8" | ±1/8" | Not Spec. | ±1/8" | To 1/8" w/o Penalty 1/8"-1/2" with Penalty >1/2" Remove | | | | | | | | | | | | | | | X | | | Yes | - | 5-15 per contract | $250 M | - | - | 1 | | | | N.A. | N.A. | Unknown | |
| Louisiana | 1 | No | -1/2" -3/4" -1" | +1"-1/2" +1-1/4-3/4" +1-1/2"-1" | -1/2" -3/4" -1" | -1/2" -3/4" -1" | N.A. | Not Spec. | -1/8" -1/8" -1/8" | -1/8" | <6" Thickness 6-8" Thickness >8" Thickness | X | X | | | X | | | | X | X | X | | | Density | X | | | Yes | - | Variable | $180 M | $10 | $100 | 10 | | | | - | 300 | Yes | |
| New Hampshire | 1 | No* | ← Reasonable → | | | | | | | | | X | X | | | | | | | X | X | X | | None | | | None | | Yes | - | As Required | - | - | - | 1 | | | | - | 1200 | Yes | *No progress sampling |
| New Jersey | 1/3000 s.y. (A.C.) 1/1000 s.y. (P.C.C.) | No | * | * | * | * | * | ±6% | ** -0.25 | N.A. | *Expect Min. Specified **Informal | X | X | | | | | | | X | X | X | X | | | X | | Steel Place-ment | Yes | - | Variable | - | - | - | 2 | | | | N.A. | - | No | |
| New York | 1/5 (P.C.C.) 1 (A.C. | No | - | - | - | - | - | ±1/4"* ±3/8"** | -1/2" | N.A. | *<4" Thick **>4" Thick | | | | | | | | | X | X | X | | | | X | | Durac-bility | No | No | - | - | - | - | 10 | | | | Steel Shot | | No | |

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