

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|--------|---------|--------------|-----------------|------------------|----------------|
| 6AA | 58-003 | Stoneco | 1475 | 8.79 | 2.69 | 49.2 |
| 26A | 58-003 | Stoneco | 370 | 2.20 | 2.69 | 12.4 |
| 2NS | 38-046 | Chelsea | 1150 | 6.95 | 2.65 | 38.4 |
| Total Wt | | | 2995 | 17.95 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 99.7 | 100.0 | 100.0 | 99.9 | 0.1 | 0.1 |
| 3/4" | 79.5 | 100.0 | 100.0 | 89.9 | 9.9 | 10.1 |
| 1/2" | 39.4 | 99.8 | 100.0 | 70.1 | 19.8 | 29.9 |
| 3/8" | 18.3 | 88.4 | 100.0 | 58.3 | 11.8 | 41.7 |
| #4 | 3.0 | 20.6 | 100.0 | 42.4 | 15.9 | 57.6 |
| #8 | 1.0 | 5.8 | 89.0 | 35.4 | 7.0 | 64.6 |
| #16 | 0.7 | 2.3 | 62.0 | 24.4 | 10.9 | 75.6 |
| #30 | 0.6 | 1.6 | 41.0 | 16.2 | 8.2 | 83.8 |
| #50 | 0.5 | 1.5 | 18.0 | 7.3 | 8.9 | 92.7 |
| #100 | 0.5 | 1.4 | 4.0 | 2.0 | 5.4 | 98.0 |
| LBW | 0.5 | 1.3 | 1.1 | 0.8 | 1.1 | 99.2 |



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 Suite 500
 Farmington Hills, MI 48336

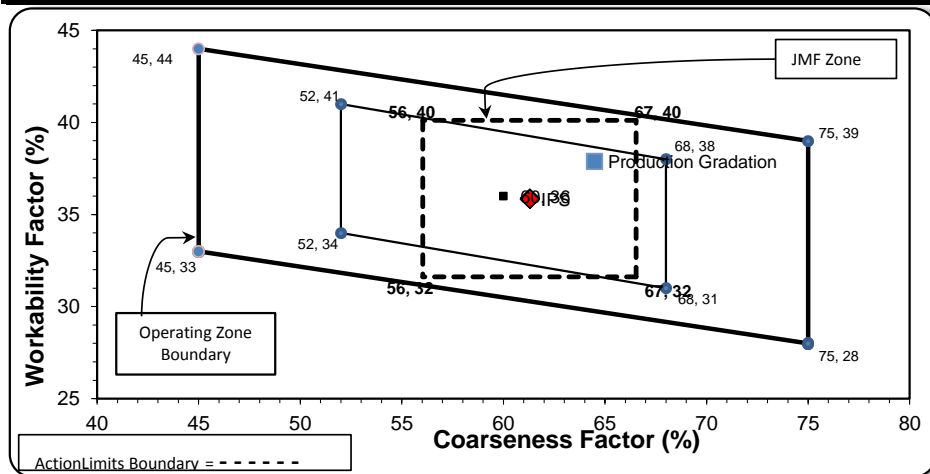
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Coarseness Factor: | 64 | Workability Factor: | 35 |
|---------------------------|-----------|----------------------------|-----------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 61 |
| Workability Factor: | 36 |



| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 99.3 | 0.7 | 0.7 |
| 3/4" | 89.2 | 10.1 | 10.8 |
| 1/2" | 70.7 | 18.5 | 29.3 |
| 3/8" | 60.7 | 10.0 | 39.3 |
| #4 | 44.4 | 16.3 | 55.6 |
| #8 | 35.9 | 8.5 | 64.1 |
| #16 | 27.3 | 8.6 | 72.7 |
| #30 | 19.1 | 8.2 | 80.9 |
| #50 | 7.4 | 11.7 | 92.6 |
| #100 | 1.9 | 5.6 | 98.1 |
| LBW | 0.7 | 1.2 | 99.3 |

PREPARED BY:
 SM, LLC Technical Service

Approved By:

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-103**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|--------|---------|--------------|-----------------|------------------|----------------|
| 6AA | 58-003 | Stoneco | 1475 | 8.79 | 2.69 | 49.2 |
| 26A | 58-003 | Stoneco | 370 | 2.20 | 2.69 | 12.4 |
| 2NS | 38-046 | Chelsea | 1150 | 6.95 | 2.65 | 38.4 |
| Total Wt | | | 2995 | 17.95 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 99.7 | 100.0 | 100.0 | 99.9 | 0.1 | 0.1 |
| 3/4" | 79.5 | 100.0 | 100.0 | 89.9 | 9.9 | 10.1 |
| 1/2" | 39.4 | 99.8 | 100.0 | 70.1 | 19.8 | 29.9 |
| 3/8" | 18.3 | 88.4 | 100.0 | 58.3 | 11.8 | 41.7 |
| #4 | 3.0 | 20.6 | 100.0 | 42.4 | 15.9 | 57.6 |
| #8 | 1.0 | 5.8 | 89.0 | 35.4 | 7.0 | 64.6 |
| #16 | 0.7 | 2.3 | 62.0 | 24.4 | 10.9 | 75.6 |
| #30 | 0.6 | 1.6 | 41.0 | 16.2 | 8.2 | 83.8 |
| #50 | 0.5 | 1.5 | 18.0 | 7.3 | 8.9 | 92.7 |
| #100 | 0.5 | 1.4 | 4.0 | 2.0 | 5.4 | 98.0 |
| LBW | 0.5 | 1.3 | 1.1 | 0.8 | 1.1 | 99.2 |



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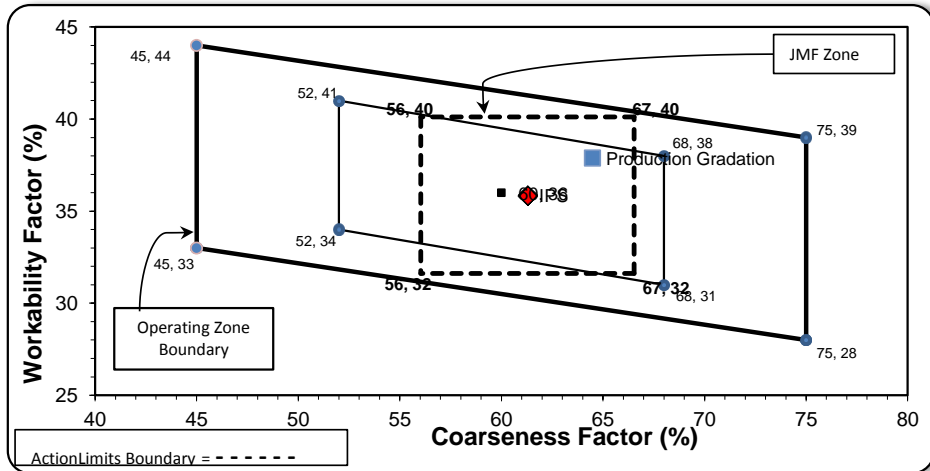
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Coarseness Factor: | 64 | Workability Factor: | 35 |
|---------------------------|-----------|----------------------------|-----------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 61 |
| Workability Factor: | 36 |



| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 99.3 | 0.7 | 0.7 |
| 3/4" | 89.2 | 10.1 | 10.8 |
| 1/2" | 70.7 | 18.5 | 29.3 |
| 3/8" | 60.7 | 10.0 | 39.3 |
| #4 | 44.4 | 16.3 | 55.6 |
| #8 | 35.9 | 8.5 | 64.1 |
| #16 | 27.3 | 8.6 | 72.7 |
| #30 | 19.1 | 8.2 | 80.9 |
| #50 | 7.4 | 11.7 | 92.6 |
| #100 | 1.9 | 5.6 | 98.1 |
| LBW | 0.7 | 1.2 | 99.3 |

PREPARED BY:
 SM, LLC Technical Service

Approved BY:

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-32**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|-------|--------------|--------------|-----------------|------------------|----------------|
| 6AA | 71-47 | Presque Isle | 1375 | 8.41 | 2.62 | 46.6 |
| 26A | 71-47 | Presque Isle | 375 | 2.29 | 2.62 | 12.7 |
| 2NS | 95-13 | Smelter Bay | 1200 | 7.26 | 2.65 | 40.7 |
| Total Wt | | | 2950 | 17.96 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 3/4" | 89.6 | 100.0 | 100.0 | 95.2 | 4.8 | 4.8 |
| 1/2" | 41.6 | 95.5 | 100.0 | 72.2 | 22.9 | 27.8 |
| 3/8" | 17.0 | 83.9 | 100.0 | 59.3 | 12.9 | 40.7 |
| #4 | 1.2 | 22.3 | 96.9 | 42.8 | 16.5 | 57.2 |
| #8 | 0.8 | 6.6 | 83.5 | 35.2 | 7.6 | 64.8 |
| #16 | 0.8 | 3.7 | 67.1 | 28.1 | 7.0 | 71.9 |
| #30 | 0.8 | 3.1 | 47.4 | 20.0 | 8.1 | 80.0 |
| #50 | 0.8 | 2.8 | 22.7 | 10.0 | 10.1 | 90.0 |
| #100 | 0.6 | 2.5 | 7.4 | 3.6 | 6.4 | 96.4 |
| LBW | 0.9 | 2.2 | 1.9 | 1.5 | 2.1 | 98.5 |



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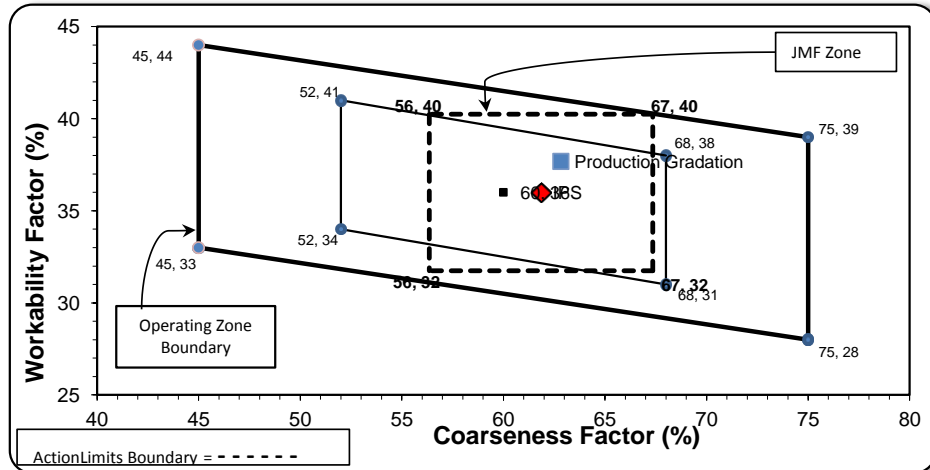
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | | | |
|---------------------------|-----------|----------------------------|-----------|--------------------|-------------|
| Coarseness Factor: | 63 | Workability Factor: | 35 | Adjusted WF | 37.7 |
|---------------------------|-----------|----------------------------|-----------|--------------------|-------------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 62 |
| Workability Factor: | 36 |



| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 100.0 | 0.0 | 0.0 |
| 3/4" | 95.0 | 5.0 | 5.0 |
| 1/2" | 72.3 | 22.8 | 27.7 |
| 3/8" | 60.4 | 11.8 | 39.6 |
| #4 | 42.6 | 17.8 | 57.4 |
| #8 | 36.0 | 6.6 | 64.0 |
| #16 | 29.5 | 6.5 | 70.5 |
| #30 | 20.3 | 9.2 | 79.7 |
| #50 | 9.5 | 10.8 | 90.5 |
| #100 | 3.4 | 6.1 | 96.6 |
| LBW | 1.3 | 2.1 | 98.7 |

PREPARED BY:
 SM, LLC Technical Service

Approved By:

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-35**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|--------|------------|--------------|-----------------|------------------|----------------|
| 6AA | 58-003 | Stoneco | 1410 | 8.40 | 2.69 | 47.2 |
| 26A | 58-003 | Stoneco | 330 | 1.97 | 2.69 | 11.0 |
| 2NS | 81-93 | Burmeister | 1250 | 7.59 | 2.64 | 41.8 |
| Total Wt | | | 2990 | 17.95 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 99.7 | 100.0 | 100.0 | 99.9 | 0.1 | 0.1 |
| 3/4" | 79.5 | 100.0 | 100.0 | 90.3 | 9.5 | 9.7 |
| 1/2" | 39.4 | 99.8 | 100.0 | 71.4 | 18.9 | 28.6 |
| 3/8" | 18.3 | 88.4 | 100.0 | 60.2 | 11.2 | 39.8 |
| #4 | 3.0 | 20.6 | 95.7 | 43.7 | 16.5 | 56.3 |
| #8 | 1.0 | 5.8 | 80.8 | 34.9 | 8.8 | 65.1 |
| #16 | 0.7 | 2.3 | 62.7 | 26.8 | 8.1 | 73.2 |
| #30 | 0.6 | 1.6 | 43.1 | 18.5 | 8.3 | 81.5 |
| #50 | 0.5 | 1.5 | 17.1 | 7.6 | 10.9 | 92.4 |
| #100 | 0.5 | 1.4 | 2.9 | 1.6 | 5.9 | 98.4 |
| LBW | 0.5 | 1.3 | 0.8 | 0.7 | 0.9 | 99.3 |



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*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

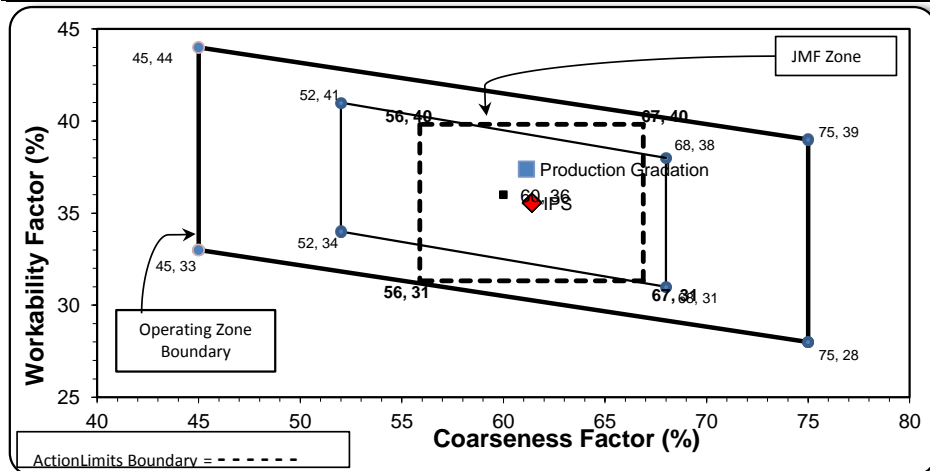
Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | | |
|---------------------------|-----------|----------------------------|-----------|-------------|
| Coarseness Factor: | 61 | Workability Factor: | 35 | 37.4 |
|---------------------------|-----------|----------------------------|-----------|-------------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 61 |
| Workability Factor: | 36 |

| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 99.3 | 0.7 | 0.7 |
| 3/4" | 89.1 | 10.2 | 10.9 |
| 1/2" | 70.5 | 18.6 | 29.5 |
| 3/8" | 60.5 | 10.0 | 39.5 |
| #4 | 44.1 | 16.4 | 55.9 |
| #8 | 35.6 | 8.5 | 64.4 |
| #16 | 27.7 | 7.9 | 72.3 |
| #30 | 20.6 | 7.1 | 79.4 |
| #50 | 8.7 | 11.8 | 91.3 |
| #100 | 1.6 | 7.1 | 98.4 |
| LBW | 1.1 | 0.6 | 98.9 |



PREPARED BY:
 SM, LLC Technical Service

Approved By:

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-36**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|-------|----------------|--------------|-----------------|------------------|----------------|
| 6AA | 71-47 | Presque Isle | 1650 | 10.09 | 2.62 | 55.9 |
| 26A | 71-47 | Presque Isle | 150 | 0.92 | 2.62 | 5.1 |
| 2NS | 63-92 | AA Grange Hall | 1150 | 6.95 | 2.65 | 39.0 |
| Total Wt | | | 2950 | 17.96 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 3/4" | 91.7 | 100.0 | 100.0 | 95.4 | 4.6 | 4.6 |
| 1/2" | 52.2 | 95.5 | 100.0 | 73.0 | 22.3 | 27.0 |
| 3/8" | 26.9 | 83.9 | 100.0 | 58.3 | 14.7 | 41.7 |
| #4 | 3.9 | 22.3 | 97.4 | 41.3 | 17.0 | 58.7 |
| #8 | 2.2 | 6.6 | 85.2 | 34.8 | 6.5 | 65.2 |
| #16 | 1.9 | 3.7 | 70.3 | 28.7 | 6.1 | 71.3 |
| #30 | 1.8 | 3.1 | 52.0 | 21.4 | 7.2 | 78.6 |
| #50 | 1.7 | 2.8 | 24.3 | 10.6 | 10.9 | 89.4 |
| #100 | 1.6 | 2.5 | 3.5 | 2.4 | 8.2 | 97.6 |
| LBW | 1.4 | 2.2 | 0.3 | 1.0 | 1.4 | 99.0 |



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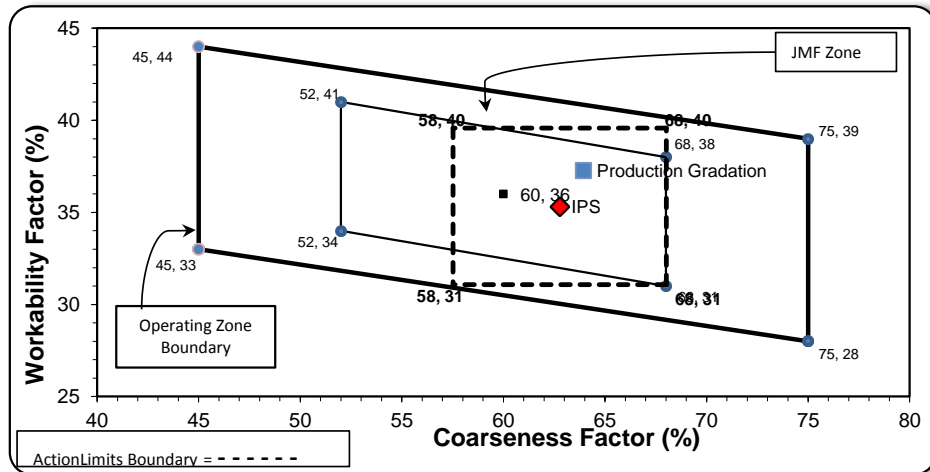
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | | | |
|---------------------------|-----------|----------------------------|-----------|--------------------|-------------|
| Coarseness Factor: | 64 | Workability Factor: | 35 | Adjusted WF | 37.3 |
|---------------------------|-----------|----------------------------|-----------|--------------------|-------------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 63 |
| Workability Factor: | 35 |



| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 99.9 | 0.1 | 0.1 |
| 3/4" | 89.1 | 10.8 | 10.9 |
| 1/2" | 71.3 | 17.8 | 28.7 |
| 3/8" | 59.4 | 11.9 | 40.6 |
| #4 | 42.6 | 16.8 | 57.4 |
| #8 | 35.3 | 7.3 | 64.7 |
| #16 | 28.5 | 6.8 | 71.5 |
| #30 | 20.9 | 7.6 | 79.1 |
| #50 | 9.0 | 12.0 | 91.0 |
| #100 | 1.7 | 7.3 | 98.3 |
| LBW | 0.7 | 1.0 | 99.3 |

PREPARED BY:
 SM, LLC Technical Service

Approved By:

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-02**

Sample Date: 6/25/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 6/26/2018 through 7/2/2018

MDOT No.: _____

| Agg. Class | Pit # | Source | Weight (SSD) | ft ³ | Specific Gravity | % Contribution |
|-----------------|-------|--------------|--------------|-----------------|------------------|----------------|
| 6AA | 71-47 | Presque Isle | 1650 | 10.09 | 2.62 | 55.9 |
| 26A | 71-47 | Presque Isle | 150 | 0.92 | 2.62 | 5.1 |
| 2NS | 47-16 | Buno Road | 1150 | 6.95 | 2.65 | 39.0 |
| Total Wt | | | 2950 | 17.96 | | 100.0 |

<----- Verify this number is 100%

| Sieve | 6AA | 26A | 2NS | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|-------|-------|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 1" | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 3/4" | 91.7 | 100.0 | 100.0 | 95.4 | 4.6 | 4.6 |
| 1/2" | 52.2 | 95.5 | 100.0 | 73.0 | 22.3 | 27.0 |
| 3/8" | 26.9 | 83.9 | 100.0 | 58.3 | 14.7 | 41.7 |
| #4 | 3.9 | 22.3 | 95.7 | 40.6 | 17.7 | 59.4 |
| #8 | 2.2 | 6.6 | 85.3 | 34.8 | 5.8 | 65.2 |
| #16 | 1.9 | 3.7 | 72.4 | 29.5 | 5.3 | 70.5 |
| #30 | 1.8 | 3.1 | 53.6 | 22.1 | 7.4 | 77.9 |
| #50 | 1.7 | 2.8 | 20.6 | 9.1 | 12.9 | 90.9 |
| #100 | 1.6 | 2.5 | 2.7 | 2.1 | 7.0 | 97.9 |
| LBW | 1.4 | 2.2 | 0.4 | 1.1 | 1.0 | 98.9 |



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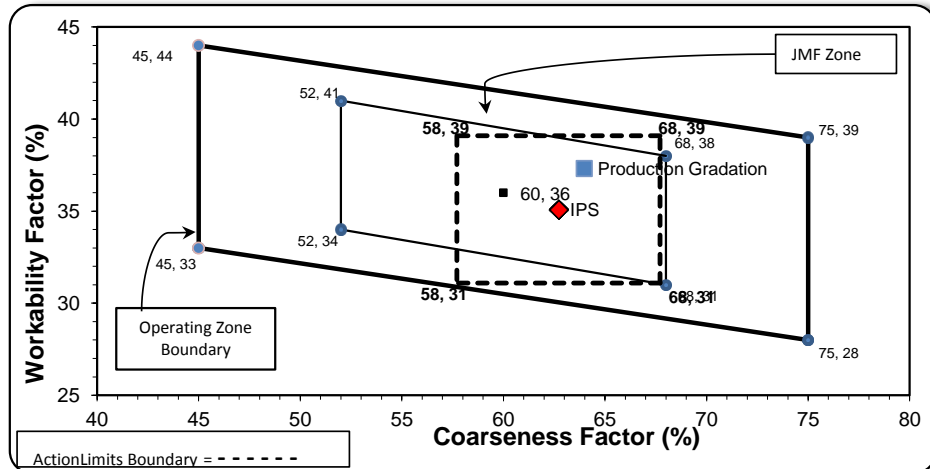
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Coarseness Factor: | 64 | Workability Factor: | 35 |
|---------------------------|-----------|----------------------------|-----------|

| | |
|----------------------------|-----------|
| Coarseness Factor: | 63 |
| Workability Factor: | 35 |



| Sieve | Cumulative % Passing | % Retained | Cumulative % Retained |
|-------|----------------------|------------|-----------------------|
| 2" | 100.0 | 0.0 | 0.0 |
| 1.5" | 100.0 | 0.0 | 0.0 |
| 1" | 100.0 | 0.0 | 0.0 |
| 3/4" | 95.1 | 4.9 | 4.9 |
| 1/2" | 74.6 | 20.5 | 25.4 |
| 3/8" | 59.3 | 15.3 | 40.7 |
| #4 | 42.1 | 17.2 | 57.9 |
| #8 | 35.1 | 7.1 | 64.9 |
| #16 | 29.2 | 5.9 | 70.8 |
| #30 | 21.9 | 7.3 | 78.1 |
| #50 | 9.6 | 12.4 | 90.4 |
| #100 | 2.4 | 7.2 | 97.6 |
| LBW | 0.9 | 1.5 | 99.1 |

PREPARED BY:
 SM, LLC Technical Service

Approved By: