Addendum No. 2 to the Environmental Impact Report on the American River Watershed Common Features Project/ Natomas Post-authorization Change Report/ Natomas Levee Improvement Program Phase 4b Landside Improvements Project



### Prepared by:



Addendum No. 2 to the Environmental Impact Report on the American River Watershed Common Features Project/ Natomas Post-authorization Change Report/Natomas Levee Improvement Program Phase 4b Landside Improvements Project

State Clearinghouse No. 2009112025

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# **Table of Contents**

Abbr	previations and Acronyms	ii						
1.	Introduction	3						
2.	Summary of Previous Environmental Review Process	3						
3.	Summary of the Phase 4b Project							
4.	Modifications and Refinements to the Project         4.1       Minor Project Refinements with No Environmental Impacts Not Evaluated in D         4.2       Minor Project Refinements Evaluated in Detail         4.2.1       Soil Balance         4.2.2       Drainage Blanket         4.2.3       Schedule Changes         4.2.4       Traffic Control and Recreational Trail Changes	7 vetail						
5.	Standard for Preparation of an Addendum	10						
6.	Environmental Analysis6.1Biological Resources6.2Transportation and Circulation6.3Air Quality6.4Recreation	<b>11</b> 12 13 13 14						
7.	Conclusions	14						
8.	References	15						

### **Appendices**

Appendix A: Plates Appendix B: Biological Resources Correspondence Appendix C: Air Quality Modeling Data

# **Abbreviations and Acronyms**

ARCF GRR	American River Common Features General Reevaluation Report
Caltrans	California Department of Transportion
CEQA	California Environmental Quality Act
CRHR	California Register of Historic Resources
dbh	diameter at breast height
EIR	Environmental Impact Report
FWARG	Far Western Anthropological Research Group, Inc.
IDM	investigation-derived material
LAP	Levee Accreditation Project
MMRP	Mitigation Monitoring and Reporting Program
NHPA	National Historic Preservation Act
NEMDC	Natomas East Main Drainage Canal
NRHP	National Register of Historic Places
SAFCA	Sacramento Area Flood Control Agency
SRCSD	Sacramento Regional County Sanitation District
UAIC	United Auburn Indian Community
USACE	U.S. Army Corps of Engineers

# 1. Introduction

This Addendum No. 2 to the Final Environmental Impact Report for the American River Watershed Common Features Project/Natomas Post-authorization Change Report/Natomas Levee Improvement Program (NLIP), Phase 4b Landside Improvements Project (Phase 4b Project) (State Clearinghouse No. 2009112025) (SAFCA 2010), addresses proposed minor modifications and refinements to the improvements proposed in Reach I on the American River North Levee. These proposed minor modifications and refinements involve modifications at City Sump 58; use of slag cement-cementbentonite (SCCB) backfill to construct cutoff walls; additional details of staging areas, and borrow and disposal sites; traffic control; and recreational access, as described in more detail in Section 4, below. Appendix A includes maps illustrating the location of project features.

# 2. Summary of Previous Environmental Review Process

The U.S. Army Corps of Engineers (USACE), Sacramento District, as lead agency under the National Environmental Policy Act (NEPA), and the Sacramento Area Flood Control Agency (SAFCA), as lead agency under the California Environmental Quality Act (CEQA),<sup>1</sup> prepared a joint Draft Environmental Impact Statement/Environmental Impact Report (Draft EIS/EIR) for the American River Watershed Common Features Project/Natomas Post-authorization Change Report/NLIP, Phase 4b Project, and distributed the Draft EIS/EIR on July 2, 2010 for a 45-day public review period. Four public meetings were held in Sacramento and in the Natomas Basin during the public comment period.

The public comment period on the Draft EIS/EIR ended on August 16, 2010. A Final EIS/EIR document was published by SAFCA on October 22, 2010, and certified by the SAFCA Board of Directors on November 12, 2010. The Draft and Final EIS/EIR are available at SAFCA's offices at 1007 7th Street, 7th Floor, Sacramento, CA 95814, and online at SAFCA's Web site (http://www.safca.org/Programs\_Natomas.html).

Table 1 contains a summary of previous environmental documentation prepared for the NLIP, and identifies specific analysis topics relevant to the project refinements and modifications analyzed in this Addendum No. 2 to the EIS/EIR for the Phase 4b Project.

<sup>&</sup>lt;sup>1</sup> CEQA is found at California Public Resources Code [PRC], Sections 21000 et seq., and the State CEQA Guidelines are found at California Code of Regulations [CCR], Title 14, Section 15000 et seq.

Table 1.	Natomas Levee Improvement Program Environmental Documentation
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Document Title	Related Project Refinements and Modifications
Environmental Impact Report on Local Funding Mechanisms for Comprehensive Flood Control Improvements for the Sacramento Area. (2007 Landside EIR) SCH 2006072098 (February 2007)	Not related to project refinements and modifications analyzed in this Addendum.
Environmental Impact Report on the Natomas Levee Improvement Program Landside Improvements Project. (Phase 2) SCH 2007062016 (November 2007)	Not related to project refinements and modifications analyzed in this Addendum.
Supplement to the Environmental Impact Report on the Natomas Levee Improvement Program Landside Improvements Project—Phase 2 Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2007062016. (January 2009)	
Environmental Impact Report on the Natomas Levee Improvement Program Phase 3 Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2008072060 (May 2009)	
Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Project – Phase 2 Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2007062016 (June 2009)	
2nd Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Project – Phase 2 Project. SCH 2007062016 (August 2009)	Not related to project refinements and modifications analyzed in this Addendum.
Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Program Phase 3 Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2008072060 (September 2009)	
Environmental Impact Report on the Natomas Levee Improvement Program Phase 4a Landside Improvements Project. SCH 2009032097 (November 2009)	Hewitt site used for borrow, and identified as location where discharge pipes would be extended through new levee. Project modifications and refinements include use of excess soils from Reach I construction to restore ground surface, which was previously excavated, to its former grade.
	Analyzed material hauling on various project roadways. Project modifications and refinements include overall reductions in the number of truck trips, and adjustments to hauling, including transporting excess soil from Reach I to Reach 19A and the Hewitt site.
Environmental Impact Statement/Final Environmental Impact Report on the American River Watershed Common Features Project/Natomas Post-authorization Change Report/Natomas Levee Improvement Program, Phase 4b Landside Improvements Project. SCH 2009112025 (October 2010)	Analyzed construction of cutoff walls in Reach I using cement- bentonite (CB), soil-cement-bentonite (SCB) or soil-bentonite (SB) backfill as seepage remediation in Reach I. <i>Project</i> <i>modifications and refinements include use of SCCB in cutoff</i> <i>walls and use of a drainage blanket as a seepage</i> <i>remediation.</i>
	Analyzed levee and roadway raise and replacement of discharge pipes at City Sump 58. <i>Project modifications and refinements include replacement of discharge pipes without requiring Garden Highway to be raised.</i>
	Analyzed material hauling on various project roadways. Project modifications and refinements include overall reductions in the number of truck trips, and adjustments to

Addendum No. 2 – Natomas Levee Improvement Program Phase 4b Landside Improvements Project 4 SAFCA GEI Consultants, Inc.

Table 1.	Natomas Levee Improvement Program Environmental Documentation
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Document Title	Related Project Refinements and Modifications
	hauling, including transporting excess soil from Reach I to Reach 19A and the Hewitt site.
	Analyzed use of borrow material for improvements in Reach I. <i>Project modifications and refinements no longer require local</i> <i>soil borrow.</i>
	Analyzed staging areas, including Discovery Park. <i>Project</i> modifications and refinements include additional detail concerning staging areas, and potential use of Reach 19A or Hewitt site for staging.
	Analyzed temporary closure of Garden Highway during construction. <i>Modifications and refinements include additional lane closures on Garden Highway.</i>
Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2009032097 (February 2011)	
2 <sup>nd</sup> Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Program Phase 3 Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SC1 2000/2000 (August 2011)	
2nd Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2009032097 (April 2012)	
3rd Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2009032097 (July 2012)	
Supplemental Environmental Impact Report No. 2 for the Natomas Levee Improvement Program Landside Improvements Project (Phase 2)	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2007062016 (October 2012)	
3 <sup>rd</sup> Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Program Phase 3 Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2008072060 (July 2014)	
4 <sup>th</sup> Addendum to the Environmental Impact Report on the Natomas Levee Improvement Program, Landside Improvements Program Phase 3 Landside Improvements Project.	Not related to project refinements and modifications analyzed in this Addendum.
SCH 2008072060 (May 2017)	
Addendum to the Environmental Impact Report on the American River Watershed Common Features Project/Natomas Post-authorization Change Report/Natomas Levee Improvement Program, Phase 4b Landside Improvements Project. SCH 2009112025 (April 2018)	Not related to project refinements and modifications analyzed in this Addendum.

# 3. Summary of the Phase 4b Project

The Phase 4b Project addresses underseepage, stability, erosion, penetrations, and levee encroachments along approximately 3.4 miles of the Sacramento River east levee (Reach A:16–20), approximately 1.8 miles of the American River north levee (Reach I:1–4), approximately 6.8 miles of the Natomas East Main Drainage Canal (NEMDC) west levee (Reach F–G), approximately 3.3 miles of the Pleasant Grove Creek Canal (PGCC) west levee (Reach E), and the gaps left in the improvements of previous phases at levee penetrations and road crossings on the Natomas Cross Canal (NCC) south levee. Plate 1 in Appendix A illustrates the reaches and phases of the NLIP project.

The Phase 4b project includes the following actions to address underseepage, stability, erosion, penetrations, and encroachments:

- Constructing an adjacent levee along the Sacramento River east levee Reach A:16–20; and installing cutoff walls, seepage berms, and relief wells where required for this levee.
- Installing a cutoff wall in the American River north levee east of Gateway Oaks Drive to Northgate Boulevard, and landside slope flattening.
- Raising the NEMDC west levee in place or widening the levee from just south of Elkhorn Boulevard to Sankey Road, as well as landside slope flattening and seepage remediation as necessary.
- Constructing waterside erosion protection in locations along the PGCC and NEMDC (south of Elkhorn Boulevard).
- Upgrading or removing culverts located beneath the PGCC, and providing replacement flood storage as needed.
- Installing seepage remediation at the State Route (SR) 99 crossing of the NCC and constructing a
  moveable barrier system to prevent overflow from reaching the landside of the NCC south levee.
- Realigning the western portion of the West Drainage Canal to the south, and improving the remaining portion of the existing canal to reduce bank erosion and sloughing, decrease aquatic weed infiltration, improve Reclamation District (RD) 1000 maintenance access, and enhance giant garter snake habitat connectivity.
- Relocating irrigation canals and ditches, either to make room for expanded levee sections or to reduce underseepage potential.
- Raising discharge pipes for RD 1000 pumping plants and City of Sacramento sump pumps to cross the levee above design flood water surface elevation.
- Excavating and reclaiming parcels in the South Fisherman's Lake and Triangle Properties Borrow Areas and at the West Lakeside School Site as agricultural land.

- Establishing woodland groves to compensate for impacts along the Sacramento River east levee Reach A:16–20, American River north levee Reach I:1-4, and NEMDC.
- Acquiring right-of-way to construct, operate, and maintain the improvements.

# 4. Modifications and Refinements to the Project

## 4.1 Minor Project Refinements with No Environmental Impacts Not Evaluated in Detail

The minor project refinements listed below would result in no new environmental impacts and would not increase the intensity or severity of impacts previously evaluated in the prior EIR, and therefore are not evaluated further in this Addendum.

- Change cutoff wall material to use slag cement-cement-bentonite (SCCB) to construct cutoff walls rather than cement-bentonite (CB), soil-cement-bentonite (SCB) or soil-bentonite (SB) backfill, as analyzed in the EIS/EIR for the Phase 4b Project. This change from the project as analyzed in the EIS/EIR for the Phase 4b Project would reduce the extent of the levee degrade required for construction because SCCB requires less material on either side of the cutoff wall trench to avoid potential cracking in the levee during construction; therefore, the previously construction impacts would be reduced.
- Instead of a levee and roadway raise of Garden Highway to replace City Sump 58 discharge pipes, the project has been modified to raise the pipes by 3 feet to span over the newly constructed cutoff wall instead. The relocated (raised) pipes, which would require less construction work than the levee and roadway raise would cross Garden Highway approximately 1 foot below the surface of the existing road, and would be placed within cement-based backfill material with a strength sufficient to allow traffic on Garden Highway to cross over the pipes without damaging them. The construction-related impacts associated with relocating these pipes was analyzed in the EIS/EIR for the Phase 4b Project, and this change would reduce those impacts by avoiding a raise to the roadway.
- Archaeological monitoring and Native American consultation would be conducted in accordance with the 2015 Programmatic Agreement for the American River Common Features project.

## 4.2 Minor Project Refinements Evaluated in Detail

### 4.2.1 Soil Balance

Local soil borrow is no longer required for this Reach of the project. The EIS/EIR for the Phase 4b Project stated that up to 167,000 cubic yards of borrow would come from the Fisherman's Lake Borrow Area and West Lakeside School Site. A commercial source of 15,900 tons within 30 miles was also identified, along with haul routes along public roadways and adjacent to borrow sites and associated truck trips. The proposed modifications and refinements include a reduction in the amount of borrow that would be needed based on the change in cutoff wall type and construction refinements, all of which were analyzed in previous environmental documentation (see Table 1 for details). Approximately 1,740 tons of aggregate base and approximately 6,700 tons of asphalt concrete for the reconstruction of Garden Highway would be hauled from commercial sources within 30 miles of the project site. Approximately 7,800 tons of controlled low strength material (a sand-cement mixture) would be hauled to the project site to be used for capping the cutoff wall, and pipe bedding at City Sump 58.

Based on the reduction in the amount of borrow needed and considering potential haul of commercial fill material, there would be a net reduction in truck trips overall for USACE commercial import hauling, but the timing of hauling would change compared to what was analyzed in the EIS/EIR for the Phase 4b Project.

Excess soil material would need to be removed from the levee improvement sites along the American River north levee in Reach I. USACE has identified two sites to receive this excess material. At Reach 19A (located within Reach A, across Garden Highway from Sand Cove Park), these excess materials could be used to construct the planned seepage berm (also analyzed in the EIS/EIR for the Phase 4b project). This would reduce the amount of borrow material required for subsequent Reach A construction in 2023, and would result in earlier construction of the seepage berm in 2019.

USACE would also place excess soil material at the "Hewitt" site, located in Reach B, approximately 1.6 miles south of the Interstate 5 (I-5) Sacramento River crossing near the Sacramento International Airport. The Hewitt site was identified in the 2009 Phase 4a FEIR as the site of a "private river pump" where pump discharge pipes would be extended through the new levee footprint in this reach. Levee construction in the vicinity of the Hewitt site and the haul route is covered in the Phase 4a EIR, and the haul route from Reach I to the Hewitt site is covered in the EIS/EIR for the Phase 4b Project. During implementation of the activities covered by the Phase 4a FEIR, a portion of the Hewitt site was used for borrow, and the land surface is now 5 feet below the previous grade. As part of the proposed modifications and refinements to the project, excess soil materials excavated from the cutoff wall trench would be placed in this area to "re-fill" the borrow area back to grade. Neither SAFCA nor USACE are proposing to change the ultimate reuse of the Hewitt site (which was identified in the prior environmental documents (see Table 1 for details).

### 4.2.2 Drainage Blanket

USACE proposes to install a drainage blanket on the landside slope of the American River north levee under the I-5 Bridges in place of a cutoff wall across the bridges. The existing concrete apron located on the landside slope would be removed, a drainage blanket would be placed within the existing levee slope, and the concrete apron would be replaced. The drainage blanket would provide a 200-foot overlap with the new cutoff wall being constructed on each side of I-5, further reducing flood risk in this area. The blanket drain and cutoff wall overlap would enable the construction of seepage remediation features without impacting traffic on I-5, and all construction activities would fall within the footprint analyzed in the EIS/EIR for the Phase 4b Project.

## 4.2.3 Schedule Changes

The construction schedule in the EIS/EIR for the Phase 4b Project identified cutoff wall and landside improvements to be constructed during a 1-year period in late 2012 and 2013. The proposed modifications to this schedule include construction in 2018 and/or 2019. The drainage blanket under the I-5 Bridges would be constructed over approximately 2 months, either between September and November of 2018, or concurrently with cutoff wall construction in 2019. Cutoff wall construction would occur between April and November 2019. Landside slope improvements (which are not part of the currently-proposed project modifications and refinements) are expected to be constructed in 2022.

Although the schedule for construction in Reach H is not certain, it is possible that the scheduled construction in Reaches H and I could overlap. If concurrent construction occurs, USACE would implement actions consistent with Mitigation Measure 4.10-a, "Prepare and Implement a Traffic Safety and Control Plan for Construction-Related Truck Trips" from the EIS/EIR for Phase 4b to minimize the cumulative impacts related to construction. At a minimum, the two projects would coordinate bridge and road closures so that bridge closures along Reach H would not occur during the full closure of Garden Highway for Reach I construction. Coordination of the construction would ensure that the cumulative impacts would not be cumulatively considerable, as further described in Section 4.2.4, "Traffic Control and Recreational Trail Changes," and 6.2, "Transportation and Circulation."

### 4.2.4 Traffic Control and Recreational Trail Changes

Due to changes in the construction schedule and sequencing, traffic controls and road/lane closures would be modified from those presented in the EIS/EIR for the Phase 4b Project.

For the construction of the drainage blanket under the I-5 Bridges, there would be three stages of work. In stage 1, a temporary recreational trail would be constructed on the waterside levee crown under the I-5 Bridges. This would not require closure of any traffic lanes or the existing recreational trail, but would require minimal excavation under the I-5 Bridges to maintain a minimum 10-foot height clearance for the trail. (This temporary recreational trail is a change/refinement from what was included in the EIS/EIR for the Phase 4b Project, but would be constructed within the envelope of impacts analyzed in that document.) In stage 2, the existing recreational trail at the landside levee crown would be temporarily closed while the drainage blanket is constructed under the I-5 Bridges. This would also require a temporary closure of the southern eastbound lane of Garden Highway. In stage 3, the recreational trail at the landside levee crown would be reconstructed. The road and trail configuration would return to pre-project conditions after construction.

For the construction of the cutoff wall, there would be four stages of work. In stage 1, Garden Highway would be temporarily closed just east of Gateway Oaks Drive for 1 month. In stage 2, one eastbound lane of Garden Highway would be converted to a temporary bicycle lane leading from Natomas Park Drive to Gateway Oaks Drive. Recreational traffic would use this lane for the duration of cutoff wall construction between Gateway Oaks Drive and Natomas Park Drive. The third and fourth stages could occur sequentially, and would have a total duration of 5 months. Garden Highway would be closed from the Natomas Park Drive to Truxel Road in stage 3, and in stage 4 Garden Highway would be closed from Truxel Road to Northgate Boulevard. The closure of the segment between Truxel Road and Northgate Boulevard would be restricted to the shortest feasible period. If construction on Reaches H and I overlaps, no bridge closures in Reach H would occur during the full closure of Garden Highway between Truxel Road and Northgate Boulevard. Detours would be as described in the EIS/EIR for the Phase 4b Project.

The traffic controls for cutoff wall construction would include minor modifications from those described in the EIS/EIR for the Phase 4b Project. Although the full closure of Garden Highway would last for 6 months or less and occur as described in the EIS/EIR for the Phase 4b Project, some lane closures would occur before and after the full closure of Garden Highway. Two left turn lanes from the off-ramps from I-5 onto Garden Highway, as well as the southern eastbound lane of Garden Highway would be closed for approximately 4 weeks.

# 5. Standard for Preparation of an Addendum

If, after adoption of an EIR, altered conditions or changes or additions to a project are proposed, the State CEQA Guidelines provide three ways to address these changes: a Subsequent EIR (Section 15162), a Supplemental EIR (Section 15163), or an Addendum (Section 15164).

State CEQA Guidelines Section 15162<sup>2</sup> describe the conditions when preparing a Subsequent EIR is required.<sup>3</sup> A Subsequent EIR is appropriate if the lead agency determines, on the basis of substantial evidence in light of the whole record, that one or more of the following conditions is met:

- Substantial changes are proposed in the project which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified, shows any of the following:
  - The project will have one or more significant effects not discussed in the previous EIR;
  - Significant effects previously examined will be substantially more severe than shown in the previous EIR;

<sup>&</sup>lt;sup>2</sup> See State CEQA Guidelines, Section 15162(a)(1)-(3).

<sup>&</sup>lt;sup>3</sup> A Supplemental EIR is required if any of the conditions described in Section 15162 would require preparation of a Subsequent EIR, but only minor additions or changes would be necessary to make the previous EIR adequate. State CEQA Guidelines, Section 15163(a)(1)-(2).

- Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
- Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

State CEQA Guidelines Section 15164 states that a lead agency may prepare an Addendum to a certified EIR if some changes or additions are necessary, but none of the conditions described above in Sections 15162 or 15163 calling for the preparation of a Subsequent or Supplemental EIR have occurred.

As explained in the analysis in Section 6, "Environmental Analysis," the proposed minor modifications and refinements to the project would not:

- result in any new significant or potentially significant environmental effects, or
- result in a substantial increase in the intensity or severity of previously identified significant or potentially significant effects.

In addition, no new information of substantial importance has arisen that shows that:

- the project would have new significant or potentially significant effects,
- the project would have substantially more intense or severe effects,
- mitigation measures previously found to be infeasible would in fact be feasible, or
- mitigation measures that are considerably different from those analyzed in the EIR would substantially reduce one or more significant or potentially significant effects on the physical environment.

Because none of the conditions described in Section 15162 of the State CEQA Guidelines calling for preparation of a Subsequent EIR have occurred, an Addendum to the EIR, consistent with Section 15164 of the State CEQA Guidelines, is the appropriate CEQA document to evaluate the proposed modifications and refinements to the project and substantiate that none of the conditions described in Section 15162 have occurred.

# 6. Environmental Analysis

This section of the Addendum analyzes the potential effects on the physical environment from implementation of the proposed minor modifications and refinements to the project. This analysis has been prepared to determine whether any of the conditions in State CEQA Guidelines Section 15162 (described in Section 1.4) would occur as a result of the proposed modifications and refinements.

The proposed project modifications and refinements in Section 4 would not cause any new significant or potentially significant impacts or a substantial increase in the intensity or severity of the impacts analyzed and disclosed in the prior EIR for the following topic areas, because the activities associated with the proposed modifications and refinements would result in negligible additional impacts that would not substantially increase the magnitude from the prior EIR:

- Agricultural Resources
- Land Use, Socioeconomics, and Population and Housing
- Geology, Soils, and Mineral Resources
- Hydrology and Hydraulics
- Water Quality
- Cultural Resources
- Paleontological Resources
- Noise
- Visual Resources
- Utilities and Service Systems
- Hazards and Hazardous Materials
- Environmental Justice

The following topic areas may be affected by the proposed modifications and refinements to the project and, therefore, are analyzed below.

## 6.1 Biological Resources

USACE identified two additional special-status species that may be present at the project site: Western yellow-billed cuckoo and least Bell's vireo.

USACE reinitiated formal consultation on the Natomas Basin Project with the U.S. Fish and Wildlife Service (USFWS) on June 20, 2016. On August 11, 2016, USFWS responded with an amended Biological Opinion. Given the proposed avoidance measures and the few occurrences of both species in the Sacramento Valley, USFWS believes that adverse effects to least Bell's vireo are unlikely to occur and are therefore discountable for the purposes of consultation. USFWS found that the project may affect, but is not likely to adversely affect, the Western yellow-billed cuckoo because the affected potential habitat would be replaced in mitigation sites within the Natomas Basin, and there is other available habitat for the Western yellow-billed cuckoo to use during its migration. Correspondence related to special-status species is included in Appendix B.

Based on USFWS's findings in the Biological Opinion, potential impacts on the Western yellow-billed cuckoo and the least Bell's vireo would be less than significant.

Implementing Mitigation Measures 4.7-a (Minimize Effects on Woodland Habitat; Implement Woodland Habitat Improvements and Management Agreements; Compensate for Loss of Habitat; and Comply with Section 7 of the Federal Endangered Species Act, Section 2081 of the California Endangered Species Act, and Section 1602 of the California Fish and Game Code) and 4.7-f (Minimize Potential Impacts on Swainson's Hawk and Other Special-Status Birds Foraging and Nesting Habitat, Monitor Active Nests during Construction, Implement All Upland and Agricultural Habitat Improvements and Management Agreements to Compensate for Loss of Quantity and Quality of Foraging Habitat, Obtain Incidental Take Authorization), which were previously adopted and incorporated into the EIS/EIR for the Phase 4b Project, would further reduce these less-than-significant impacts. No further mitigation is required.

## 6.2 Transportation and Circulation

The traffic controls for cutoff wall construction would include minor modifications from those described in the EIS/EIR for the Phase 4b Project. Although the full closure of Garden Highway would last for 6 months or less and occur as described in the EIS/EIR for the Phase 4b Project, some lane closures would occur before and after the full closure of Garden Highway. Two left turn lanes from the off-ramps from I-5 onto Garden Highway, as well as the southern eastbound lane of Garden Highway would be closed for approximately 4 weeks. Although these lane closures would prolong impacts to traffic, these would not substantially worsen the significant traffic impact identified in the EIS/EIR for the Phase 4b Project.

The project modifications and refinements would reduce the amount of soil borrow needed, but would include transport of excess soil from Reach I to Reach 19A and/or the Hewitt site, and would include use of commercial aggregate materials. The net effect of these changes would be a reduction in the total number of truck trips compared to what was analyzed in the EIS/EIR for the Phase 4b Project. Due to the schedule changes, this hauling would occur over a different time period compared to what was analyzed in the EIS/EIR for the Phase 4b Project.

The trips and road closures would occur during September to November 2018, and April to November 2019. In the event that construction of Reach H would also occur in 2019, as part of its traffic safety and control plan USACE has committed that bridge closures on the NEMDC would not overlap with the closure of Garden Highway between Truxel Road and Northgate Boulevard. (USACE 2018)

Implementing Mitigation Measure 4.10-a (Prepare and Implement a Traffic Safety and Control Plan for Construction-Related Truck Trips) which was previously adopted and incorporated into the EIS/EIR for the Phase 4b Project, would reduce the impacts, but, as described in the EIS/EIR for the Phase 4b Project, the impact would remain significant and unavoidable.

## 6.3 Air Quality

USACE conducted an air quality analysis using the Sacramento Metropolitan Air Quality Management District's (SMAQMD's) Road Construction Emissions Model, versions 8.1.0 and 9.0.0 for the cutoff wall portion of the proposed modifications and refinements. This model estimates emission rates for reactive organic gases (ROG), nitrogen oxides (NO<sub>x</sub>), particulate matter up to 10 microns in diameter (PM<sub>10</sub>), particulate matter up to 2.5 microns in diameter (PM<sub>2.5</sub>), carbon dioxide (CO<sub>2</sub>), and carbon dioxide equivalent (CO<sub>2</sub>e). Modeling results are provided in Appendix C to this document.

	ROG	CO	NOX	PM10	PM2.5	CO2	CO2e
Estimated Maximum Emissions (lbs/day)	9	56	95	25	9	10,307	10,411
SMAQMD Thresholds (lbs/day)	N/A	N/A	85	80	82	N/A	1,100*
Total (tons/project)	0.6	4.8	6.2	2.3	0.7	881.5	895.1
Federal Standards (tons/year)	25	100	25	100	100	N/A	N/A

Source: USACE 2018

	ROG	CO	NOX	PM10	PM2.5	CO2	CO2e
Estimated Maximum Emissions (lbs/day)	9	56	77	23	7	10,307	10,411
SMAQMD Thresholds (lbs/day)	N/A	N/A	85	80	82	N/A	1,100
Total (tons/project)	0.7	4.8	5	2.1	0.6	881.5	895.1
Federal Standards (tons/year)	25	100	25	100	N/A	N/A	N/A

### Table 2. Estimated Air Emissions for Natomas Reach I Cutoff Wall Project (Mitigated)

Source: USACE 2018

USACE's modeled emissions for construction of the Reach I cutoff wall are only slightly higher (approximately 2- to 4-pound-per-day increase) than those presented in the EIS/EIR for the Phase 4b Project. Implementing Mitigation Measure 4.11-a (Implement Applicable District-Recommended Control Measures to Minimize Temporary and Short-Term Emissions of ROG, NO<sub>X</sub>, and PM<sub>10</sub> During Construction), which was previously adopted and incorporated into the EIS/EIR for the Phase 4b Project, would reduce these impacts to a less-than-significant level. No further mitigation is required

Due to scheduling changes, the Reach I construction will now likely occur simultaneously with construction of improvements in Reach H. The EIS/EIR for the Phase 4b Project identified a cumulatively considerable significant impact regarding air quality, but the cumulative air emissions from simultaneous construction at Reaches H and I would not substantially increase this impact because the EIS/EIR for the Phase 4b Project analyzed cumulative impacts of construction during the Phase 3, 4a, and 4b projects, including simultaneous construction of levee improvements in multiple reaches. No revisions to the EIS/EIR for the Phase 4b Project are required.

## 6.4 Recreation

The proposed modifications and refinements include changes to recreational trail detours during construction. A temporary trail along the waterside top of the levee beneath I-5 would serve as the detour during construction of the drainage blanket. A temporary bike lane extending from Natomas Park Drive to Gateway Oaks Drive would also be made available during cutoff wall construction between Natomas Park Drive and Gateway Oaks Drive. The availability of these temporary trails and lanes during construction would reduce the temporary construction impact on recreational trail users identified in the EIS/EIR for the Phase 4b Project.

# 7. Conclusions

As described in the preceding sections, the proposed minor modifications and refinements to the project do not require any revisions to the prior EIR because no new or substantially more intense or severe significant environmental impacts or potentially significant environmental impacts would result from the proposed modifications and refinements to the project. Section 15162 thresholds would not be triggered.

Based on the analysis in Section 3, "Environmental Analysis," the proposed modifications and refinements to the project as described in this Addendum would not result in any of the conditions

described in Section 15162 of the State CEQA Guidelines calling for preparation of a Subsequent EIR or Supplemental EIR. In summary, the proposed modifications and refinements to the project would not

- result in any new significant or potentially significant environmental effects,
- substantially increase the intensity or severity of previously identified effects,
- result in mitigation measures or alternatives previously found to be infeasible becoming feasible, or
- result in availability/implementation of mitigation measures or alternatives that are considerably different from those analyzed in the prior EIR that would substantially reduce one or more significant or potentially significant effects on the physical environment.

These conclusions confirm that a Subsequent or Supplemental EIR is not warranted, and this Addendum No. 2 to the prior EIR pursuant to State CEQA Guidelines Section 15164 is the appropriate CEQA document to evaluate and document the modifications and refinements (i.e., modifications to the timing of construction, and modifications to the size and location of woodland mitigation sites) to the project, and resulting impacts thereof. No changes are needed to the certified EIR or the adopted MMRP for the project.

## 8. References

United States Army Corps of Engineers, Sacramento District. 2018 (May 23) Memorandum for Record: American River Common Features Natomas Basin Project, Reach I Construction Schedule Updates. Sacramento, CA.







CORPS OF ENGINEERS

)) This information is NOT intended as a substitute for a field survey by a licensed professional, or an application that requires legal or engineering accuracy.
)) Parcet boundary data is only a representation of ground features projected on to the Earth's surface by computer programs from raw data obtained from local government any physical survey, study, or recording, or in part, based upon any physical survey, study, or recording, professional or otherwise, of the covered properties. U.S. ARMY



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## United States Department of the Interior

FISH AND WILDLIFE SERVICE Sacramento Fish and Wildlife Office 2800 Cottage Way, Suite W-2605 Sacramento, California 95825-1846



AUG 1 1 2016

Ms. Alicia E. Kirchner Chief, Planning Division U.S. Army Corps of Engineers, Sacramento District 1325 J Street Sacramento, California 95814

### Subject:

:t: Reinitiation of Formal Consultation on the Natomas Levee Improvement Program's Landside Improvements Phase 4b Project, Sacramento and Sutter Counties, California

Dear Ms. Kirchner:

This is in response to your June 20, 2016, request to reinitiate formal consultation with the U.S. Fish and Wildlife Service (Service) on the Natomas Levee Improvement Program (NLIP), Landside Improvements Project, Phase 4b (Phase 4b) in Sacramento and Sutter Counties, California. Your request was received in our office on June 22, 2016. The Phase 4b biological opinion (81420-2010-F-0949-1) was completed on October 12, 2010, amended on December 8, 2014, and tiered off a programmatic biological opinion (81420-2008-F-0195-5) for the entire NLIP project that was issued on October 9, 2008. The U.S. Army Corps of Engineers. (Corps) has requested to reinitiate consultation on Phase 4b due to changes to the project description and in order to analyze effects to the federally listed as threatened western yellow-billed cuckoo (*Cosyzus americanus*) and endangered least Bell's vireo (*Vinvo bellii putillut*). In order for plans and specifications for the project to proceed, the Corps must conduct geotechnical borings. While this activity was included in the previous consultation, it was described as occurring during the active season of the federally-threatened giant garter snake (*Thamnophis gigat*). The Corps is now proposing to conduct geotechnical borings during the inactive season (October thru April). This biological opinion is issued under the authority of section 7(a)(2) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*) (Act).

This biological opinion is based on: (1) your June 20, 2016, biological assessment requesting reinitiation; (2) electronic mail sent from the Corps to the Service; and (3) other information available to the Service.

To provide ease of reading, language changed within a paragraph from the original biological opinion will be underlined. Therefore, the Phase 4b biological opinion is now amended as follows:

Page 2: Add the following paragraph just before Consultation History for Phase 4b:

In Reply Refer to: 08ESMF00-2010-F-0949-R002

### Ms. Alicia E. Kirchner

#### Western Yellow-Billed Cuckoo

Nesting habitat for the yellow-billed cuckoo is comprised of large areas (at least 50 acres) of riparian habitat composed of cottonwood and willow trees. Due to the urbanization of the Sacramento area large amounts of riparian habitat have been lost along the Sacramento River. However, habitat does occur within the surrounding area along the lower American River and in the Yolo Bypass. Yellowbilled cuckoos have been observed along the lower American River as close as 3 miles to the action area in 2013 and 2015. Currently habitat in the action area exists on levees and consists of narrow, poorly connected habitat patches. It is unlikely that cuckoos would use this habitat for nesting. However, cuckoos could use the woody vegetation as stopover habitat during their spring migration to areas further north in the Sacramento Valley. The Corps has proposed to remove vegetation during the non-breeding season in order to avoid disturbing any birds that may be migrating through the area. The Corps will continue creating a woodland corridor on the western portion of the Natomas Basin as it parallels the Sacramento River. The project will double the amount of vegetation that is being removed through the creation of the corridor. Because there is other available habitat for the cuckoo to use during its migration and the habitat will be replaced, the Service concurs with the Corps finding of may affect, not likely to adversely affect the yellow-billed cuckoo.

### Least Bell's Vireo

Least Bell's vireo uses early successional, dense, variable height structure, riparian habitat for nesting and foraging. While this habitat exists just outside the action area, construction will not occur in suitable nesting habitat for the virco. Woody vegetation exists on the levee and landside toe, but is maintained for an open understory in order to conduct levee inspections. Vegetation in the action area will be removed prior to March when birds begin to migrate into California. Dense riparian habitat is available for the vireo in the lower American River Parkway as well as in the Yolo Bypass. There have been a small number of least Bell's vireo observed in the Yolo Bypass and in southern Sacramento County at the Bufferlands, however there are no known recent occurrences of breeding of least Bell's vireo in the Sacramento Valley. Given the recent occurrences 2010, 2011, and 2013 (eBird 2016) in the surrounding area it is possible that over the course of the project timeframe vireos may use the surrounding area more frequently. However, the habitat quality makes it unlikely that they would use the riparian vegetation that is being removed as part of the project. The Corps is planning to continue creating a woodland corridor on the western portion of the Natomas Basin as it parallels the Sacramento River. The project will double the amount of vegetation that is being removed through the creation of the corridor. Given the avoidance measures that the Corps intends to include (vegetation removal prior to the nesting season) and the few occurrences in the Sacramento Valley, the Service believes that adverse effects to the least Bell's vireo are unlikely to occur, and are therefore discountable for the purposes of this consultation.

### Page 2: Add the following under Consultation History for Phase 4b:

June 20, 2016. The Corps reinitiated section 7 consultation on Phase 4b due to changes in the project description and an analysis for western yellow-billed cuckoo and least Bell's vireo.

Page 5: Add the following paragraph in the Project Description under <u>Levee</u> <u>Modifications and Seepage Remediation</u>:

### Ms. Alicia E. Kirchner

Eighty geotechnical borings will be conducted along Reaches E, F, and G in order to identify utilities and refine final designs of the project. All of the borings will be done with a drill rig and occur between November and March of 2016/2017 in upland giant garter snake habitat.

### Page 8: Add the following paragraph under American River North Levee Reach I: 1-4:

A portion of Discovery Park will serve as a staging area for construction of Reach I. The levee crown will also serve as additional staging areas during construction. No woody vegetation will be removed in the staging area. The area is currently in annual grassland.

Page 10: Add the following paragraph under Natomas East Main Drainage Canal West Levee, Reaches F-H:

Staging for Reach H will occur on both the landside and the waterside toe of the levee. The waterside staging will occur between the West El Camino and San Juan Bridges. It is a large annual grassland and will be used for soil storage. Storm water pollution prevention measures will be installed, including sediment fencing which will prevent spills of soil into the channel. Due to high amounts of urbanization on the landside of the levee and presence of woody vegetation along the channel it is unlikely that giant garter snakes will use this portion of the Natomas East Main Drainage Canal.

Page 33: Change the following paragraph in the <u>Conservation Measures</u> under *Giant Garter Snake* from:

Some components of the proposed project may occur prior to the beginning of the defined GGS active season. Activities such as utility relocations, removal of residential or agricultural structures, or certain geotechnical borings (38 borings along the NEMDC between the American River Parkway and the Pump Station) will be conducted before May 1. Typically, this work will occur farther than 200 feet from suitable aquatic habitat for GGS or in areas unsuitable for estivation such as roads. Twenty-seven hand borings will occur in areas where GGS may be overwintering. A Corps biologist will survey the area prior to hand boring site selection. Boring locations will be selected that are at least 30 feet from any crack or burrow in the levee that could be used by the snake for overwintering. A biologist will be present on site during boring activities occurring outside the active season of the GGS. All other borings will occur between May 1 and October 1.

#### To:

Some components of the proposed project may occur prior to the beginning of the defined GGS active season. Activities such as utility relocations, removal of residential or agricultural structures, or certain geotechnical borings (38 borings along the NEMDC between the American River Parkway and the Pump Station and <u>80 borings along the Reaches E, F, and G</u>) will be conducted before May 1. Typically, this work will occur farther than 200 feet from suitable aquatic habitat for GGS or in areas unsuitable for estivation such as roads. Twenty-seven hand borings <u>and 80 drill rig borings</u> will occur in areas where GGS may be overwintering. A Corps biologist will survey the area prior to hand boring site selection. Boring locations will be selected that are at least 30 feet from any crack or burrow in the levee that could be used by the snake for overwintering. A biologist will be present on-site during boring activities occurring outside the active season of the GGS. All other borings will occur between May 1 and October 1.

Page 38: Change the following paragraph in the Effects of the Project under Giant Garter Snake from:

Components of Phase 4b work that will occur outside of the GGS's active season include utility relocation, removal of residential or agricultural structures, and transplantation and planting of trees and elderberry shrubs. These will be conducted before April 15. GGS have been observed to overwinter as far as 250 meters from aquatic habitat (Wylie et al. 1997). Given that GGS are generally inactive during the winter months, SAFCA's working during the inactive season will kill GGS that may be overwintering within the construction footprint. To reduce disturbing and/or killing GGS that may be overwintering due to the 38 borings the Corps/SAFCA will have a biologist survey the proposed hand auger site and select sites that are at least 30 feet from a crack or burrow that could be used by an overwintering GGS. This should reduce the likelihood of the hand augering killing or injuring an overwintering snake. For other activities, to reduce disturbing and/or killing GGS that may be overwintering in uplands that will be affected by working out of season, SAFCA has proposed to place exclusionary fencing which will be erected prior to October 1 in areas in which GGS may overwinter and SAFCA is proposing to remove/plant trees or elderberries. The fencing will exclude GGS from entering the area where SAFCA will be construction during the winter. This fence will be monitored daily prior to and during construction to insure that there are no breaches that a snake could get through. Excluding snakes from these areas will affect the GGS by limiting its ability to utilize suitable upland habitat for winter hibernation and by changing its dispersal behavior. Increased construction activity in areas where GGS are known to occur could expose snakes to increased risks of injury and mortality from predation, exposure, vehicular traffic, and construction equipment. It may be forced to disperse through and/or around the construction sites in response to habitat changes and seasonal indicators at a time when snakes are slower moving due to temperatures. Areas that are unlikely to have overwintering GGS include areas, which have active construction or agricultural activities occurring on them.

#### To:

Components of Phase 4b work that will occur outside of the GGS's active season include utility relocation, removal of residential or agricultural structures, and transplantation and planting of trees and elderberry shrubs. These will be conducted before April 15. GGS have been observed to overwinter as far as 250 meters from aquatic habitat (Wylie et al. 1997). Given that GGS are generally inactive during the winter months, SAFCA's working during the inactive season will kill GGS that may be overwintering within the construction footprint. To reduce disturbing and/or killing GGS that may be overwintering due to the 118 borings, the Corps/SAFCA will have a biologist survey the proposed hand auger site and select sites that are at least 30 feet from a crack or burrow that could be used by an overwintering GGS. This should reduce the likelihood of the hand augering killing or injuring an overwintering snake. For other activities, to reduce disturbing and/or killing GGS that may be overwintering in uplands that will be affected by working out of season, SAFCA has proposed to place exclusionary fencing which will be erected prior to October 1 in areas in which GGS may overwinter and SAFCA is proposing to remove/plant trees or elderberries. The fencing will exclude GGS from entering the area where SAFCA will be construction during the winter. This fence will be monitored daily prior to and during construction to insure that there are no breaches that a snake could get through. Excluding snakes from these areas will affect the GGS by limiting its ability to utilize suitable upland habitat for winter hibernation and by changing its dispersal behavior. Increased construction activity in areas where GGS are known to occur could expose snakes to increased risks of injury and mortality from predation, exposure, vehicular traffic, and construction equipment. It may be forced to disperse through and/or around the construction sites in response to habitat changes and seasonal indicators at a time when snakes are slower moving

### Ms. Alicia E. Kirchner

due to temperatures. Areas that are unlikely to have overwintering GGS include areas, which have active construction or agricultural activities occurring on them.

Page 48: Add the following to the Literature Cited:

eBird. 2016. eBird: An online database of bird distribution and abundance [web application]. eBird, Ithaca, New York. Available: <u>http://www.ebird.org</u>. (Accessed: August 10, 2016).

The remaining portions of the December 8, 2014, biological opinion remain the same. This concludes formal consultation with the Corps on the Natomas Levee Improvement Program, Landside Improvements Phase 4b Project. As provided in 50 CFR 402.16, reinitiation of formal consultation is required where discretionary Federal agency involvement or control over the action has been maintained (or is authorized by law) and if: (1) the amount or extent of incidental take is exceeded; (2) new information reveals effects of the proposed action may affect listed species or critical habitat in a manner or to an extent not considered in this opinion; (3) the agency action is subsequently modified in a manner that causes an effect to listed species or critical habitat that was not considered in this opinion; or (4) a new species or critical habitat is designated that may be affected by the proposed action.

If you have any questions regarding this biological opinion on the Natomas Landside Improvements Project, please contact Jennifer Hobbs (Jennifer\_hobbs@fws.gov), Senior Fish and Wildlife Biologist at (916) 414-6541.

Sincerely,

Doing Weinich

Jennifer M. Norris Field Supervisor

CC:

Robin Rosenau, Corps, Sacramento, CA Tanya Sheya, CDFW, Rancho Cordova, CA Peter Buck, SAFCA, Sacramento, CA

Road Construction	Emissions	Model,	Version	8.1	.0
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Draingre@Bilities/Sub-Grade	0.03	0.23	0.35	0,14	0.02	0.12	0.04	0.02	0.02	0.00	39.49	0.01	0.00	36.18
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Maximum (tonsinbase)	0.57	3.99	5.93	2.02	0.34	1.68	0.65	0.31	0,35	0.01	716,71	0.15	0.01	656,14
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Project Longth	10.00	17140				
Total Project Area						http://www.conservation.co.gov/cgs/information/geologic_
Maximum Area Disturbed/Co:	250	20185				zeinestmoleoningen nanneligen griegen
Waler Trycka Lizzo?	;;	2. No				
Material Hauling Quantity Input						
		Have Truck Capacity (yo') (assume	tenned Volume (vd./dav)	Expost Volume (vd/dev)		
Material Type	-1050	20 H unknown)				
	Gruppend, and Closen;	13.00				
h., (	Grading/Excertation	13.00				
901	Crains of Ublines/Sub-Grade	13,00	10.00	4000		
	Pavlog	13,00				
	Grubbing/Land Clearly					
an she's	BradingFascavalion	<u> </u>	10.00	10.00		
(Sharta	Crewaga/ Filitikeu Svo-Grada		50.50	10.00	5	
	Pawag					
Mitigation Options			Column T205D and Navar On road V	stickes Figs1' option when it a precise	heavy-sidy truck field for the pr	bloct will be limited to vehicles of model year 2010 or newer
On-road Floot Emissions Millast 2	No Maigabon		Particular States and ASM Subara	1 211 reduction instablid the of road	construction Seal meats line of	inclose standards datermined using the SMAQMO Construction Miligation
Off-read Equipment Emissions Militation	No Viligation		Calculation (http://www.aintuality.or	p/cogg/m3/gation_stimi) ma or vil off-covil convonent used [611]	he project meets CPA Tier 4 Stands	h
			Server	the of an element equipartant area for t		
L						

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of concruction period phase length can be eventided; in calls DS0 incorpt DS3, and PS0 incorpt FI

Construction Periods	User Override of Construction Months	Prógram Calculates Months	User Override of Phase Starting Date	Program Dotauli Piznao Statino Dale
Gianding/Extravator Gianding/Extravator Contraver Difference in Contraver	0.50 7.30	<u>0.80</u>	4/15/2017 5/15/2017	1/1/2017
Paving Totals (Menthal)	1.00	1.35	10152017	8/16/2017 9/3/2017

Note: Sof Final ng emission default values can be even siden in cells 261 torough 264, and F61 (brough Fi

Soli Haubing Einission Miteriound ting: Grubbing/Land Clauthy Miteriound ting: Gradeg/Eurowation Miteriound ting: Draine.ge/Ualbear/Sub-Grad Miteriound ting: Paving	Usor Overnice 30 Miles/Round Tric 5.00 20.00 5.00 10.00	Program Estimate os Milen/Round Trip	User Overrate of Truck Round Trips/Day 1000 1000 1000 1000	Cetaria: Valuer Round Trips/Day	Calculatec De3y VMT 					
Emission Rates	ROG		NOx	PHIO		P0-				
Gradinacia stategica (organization)	0.20	G.74	6.54	0.17	0.10	0.02	169413	<u>CH4</u>	N20	C02e
Dramin addition/Sub-Grade (come/m3n	0.20	9,74	6.54	0,17	0.10	0.02	1 684 12	0.01	0.05	1,701,31
Paving (grams/mla)	620	0.74	6.54	0.17	0.10	0.02	1.634.12	0.01	0.06	1 701 31
Hauling Emissions	805	0.74	654	0.17	0.10	0.02	1,684,12	0.01	0.06	1.701.31
Pounds per day - Grubbing/Land Gearin,	0.02		<u>NOz</u>	PM10	PM2.1	SOx	CO3	CH4	NZO	CO2e
Tons per const. Por ad - Grubbing/Land Clean-	0.00	000	0.72	0.02	0.01	D.D0	185.64	0.00	C.01	187.54
Pounds per day - Grading/Excavato,	0.09	0.33	288	000	0.00	0.00	1.11	0.00	0.00	1.13
Toma per couldu riendia - Grading/Extravation	0.91	0.03	0.24	0.07	440	0,01	742.57	0,00	0.03	750.15
Pounds per day - Crainage/Ulilifies/Sub-Grade	0,02	0.08	079	0.01	400	0.00	62.36	0.00	0.00	63.01
Tons per const. Period - Drainage/Utilizes/Sub-Grade	0.00	0.00		0.02	0.01	0.00	165.64	0.00	0.01	187.54
Pounds per day - Paving	3.05	0.00	0.00	0.00	0.00	0.00	5.11	0.00	0.90	1.13
Tens per censt. Period - Paving	0.03	0.16	1.44	0,04	0.02	0.00	371,29	0.00	0.01	375.07
Total tons per construction project	6.00	0.00	0.02	0.00	0.00	0.00	4.46	0.00	0.00	4.50
	0.01	0.00	0.27	0.01	0.00	0.00	69.06	0.00	0.00	69.76

Note: Apphait Hawing emission datasis values can be overrisiden in cells D87 through D90, and F87 through F1

Asphait Haulung Endossione User Inpurt Meterieurs by: Grubbing/Land Clearly, Meanscund Styr, GradingErsawsio, Meastound Styr, Datingge/Stätts/Sub-Grad Miestound Styr, Pavie;	User-Overnise of MBek/Round Tay 500 500 500 6000	Program Estanato o: Milos/Round Trip	User Cremide of Faucx Round Tops(Day 10:03 10:00 10:00 10:00	Dolayil Volcer Round Tripe/Day	Calculate Daly VA/T 5000 20006 50.00 100.00					
Emission Rates GrubbingLand Cleaning (gramw/mile) GrubbingLand Cleaning Strafforg/Exercise (gramw/mile) Draining/Richaelist-Grant (gramw/mile) Paring (gramw/mile) Emissions Paring (gramw/mile) Emissions Paring (gramw/mile) Emissions Paring (gramw/mile) Paring (gramw/mil	ROG           0.20           0.21           0.23           0.24           0.25           0.26           0.27           0.28           0.02           0.02           0.02           0.02           0.02           0.02           0.02           0.02           0.03           0.04           0.05           0.05           0.06           0.07	CO 0.74 0.74 0.74 0.74 0.76 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	NO2 654 654 654 654 654 654 072 000 288 074 072 000 248 072 000 249 072 000 1.44 0.72 0.00 0.24 0.72 0.00 0.024 0.72	Petro B17 0.17 0.16 0.00 0.00 0.00 0.00 0.00 0.00 0.00	P302.5 0.10 0.10 0.10 P102.5 0.01 0.00 0.00 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.	\$0x 0.02 0.02 0.02 0.02 \$0x 0.00 0.00 0.00 0.00 0.00 0.00 0.00	CO2 1,634.12 1,634.12 1,634.12 1,634.12 1,654.12 185.64 1.11 742.57 62,39 (65.84 1.11 371.29 4.46 69.06	CH4 0.01 0.01 0.01 0.01 0.00 0.00 0.00 0.0	820 0.06 0.06 0.06 0.06 0.07 0.00 0.00 0.0	CO2c; 1.701.31 1.701.31 1.701.31 1.701.31 CO2e 187.54 1.13 150.15 53.01 187.54 1.13 375.07 4.50 0 75

#### Note, Worker commute default values can be overreiden in cells 0110 triaugh 011

Worker Commute Emissions	User Overfide of Worker									
User input	Commuce Default Voluer C	Xefault Voluer								
Miles/ ono-vay tris	10,00		Calculated	Calculated						F
One-way Inca/da)	200		Daily Tribs	Dely VMT						
No. of employees: Grubbing Land Clearin	10.00		20.00	200.00						
No. of employees: Grading/Excavatio	10,00		20.09	200.00						
No. of employees: Drainage/Ub/Mas/Sub-Grad	10.00		20.00	200.00						
No. of employees: Paving	10.00		20.00	200.00						
Emission Sates	ROC	co	NOx	PMIG	PM2.5	\$Ox	CO2	CH4	N20	C02¢
GruborevLand Clearing (grame/mile	0.04	1.51	0.17	0,05	0.02	0,00	403.73	0.01	0.01	436.12
Revine Francisco (argunatizila	0.04	1.5:	0.17	0.05	0.02	0,00	403.73	0.01	0.01	406.12
Ornedra Allitica/Sub-Grade (gramtimile	0,04	1.51	0,17	0.05	0.02	0,00	403,73	0.01	0.01	406.12
Paving (complete)	0.04	1,51	0.17	0.05	0.02	0.00	403.73	0.01	0.01	406.12
GrubbrigfLood Cleaning (gramuting	1.28	3.62	0.30	0.00	0.00	0.00	69.60	0.02	0.01	\$3.75
Grading/Excepteon (evame4rie	1.38	3.62	0,30	0.00	0.00	0.00	89.60	0,32	0.01	93.75
Draining/Utilities/Sub-Grade (gramsArip	1,28	3.62	0.30	0.00	0.00	0,00	89,60	0.02	0.01	93.79
Paving internettip)	1.28	3.62	0.30	0.00	0.00	0.00	89.60	0.02	0.0	93.79
Emissions	ROG	co	NÖX	PM10	P842_S	SOX	C02	<u>CH4</u>	N20	COZe
Pounds per day - Grube no/Land Clearen	0.07	0.83	0.09	0.02	0.01	0.00	181.97	0.01	0.00	163.20
Tons per const. Period - Grubbing Land Clearin	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0,00	¢.00	1,10,
Pounds per day - Grading/Everyabor	0,07	0.83	0,09	0.02	0.01	0.00	161,97	0,03	0.00	183.20
Tons per const. Panod - Grading/Excavatio	0.01	0.07	0.01	0.00	0.00	0.90	15.29	¢,¢c	0,00	15.39
Pounds per day - Orainage/Utilitee/Sub-Grad	0.07	0.63	0.09	0.02	0.01	0.00	\$81.97	0.01	0.00	183.20
Tons per censi, Period - Crainage/Utilitios/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	1.10
Pounds per day - Pavine	0.07	0.80	0.09	0.02	0.0;	0.00	181.97	0.01	9.00	183.20
Tons per const. Period - Paving	0.00	0,0:	0.00	0,00	0,00	0.00	218	0.00	5.00	2.20
Tetal taas per construction project	0.01	0.09	0.01	0.00	0.00	0.00	19.65	0.00	0.00	19.79

#### Moto: Water Truck default values can be overridden in colls 0145 (prough 0148, and F145 through F148,

Water Truck Emissions	User Overtide of Default # Weter Trucks	Program Estimate of Number of Water Trucks	User Overvie of Truck Miles Traveled/Vehicle/Dey	Dofault Values Miles Travelod/Voticle/Day	Color-Spled Daily VMT			-		
Goddinof and Classics , Exhbut	200				<b>3.0</b> 0					
Gending Fremolien - Exhaust	1.00				0.00					
Drainee & Silies Subarade	1,00				0.00					
Paving	1.00				0.00					
Émission Rates	ROG	co	NOX	01.MP	PM2.5	SOX	C02	CH4	N2O	CO2e
Grussing/Land Clearing (grame/mile	9.20	0.74	6.54	C.17	0.10	0.02	1,684.12	0.01	0.06	1.701.31
Grading/Excervation (grams/mile	0.20	0.74	6.54	0,17	0,10	D.02	1,684.12	0.01	0.05	201 31
Draining/Dilities/Sub-Grada (grame/mile	0.20	0.74	6.54	0.17	0,10	0.02	1,684.12	0.05	0.06	1.795.31
Paving (grama/m/a)	020	0.74	6.54	U1/	1.10	0.02	1,684.12	0.01	0.05	1,701,31
Emitsions			NOX	PM10	PM2.5	508	0.02		N/CU	0.020
Pounds per day - Grupbing/Land Clasme	0.00	0,00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Pariod - Grubbing/Land Classic	3.30	0.03	0.00	0.00	0.00	0.00	0.00	000	200	0.00
Pounds per day - Bradeng/Excavation	0.00	0.00	0.00	0,00	0,00	0.00	0.00	0.00		200
Tone per const. Period - Brading/Excervation	0.00	0.00	0.00	0.00	ć.00	0.00	0.00	0.00	600	0.00
Pounde per day - Drauxoga/Liticbea/Sub-Grad	0.00	0.00		0.00	6.60	0.00	0.00	0.00	0.00	
Tons per const. Period - Drainager/Mittas/Sub-Grad	0.00	0,00		0,00		0,00	0.00	0.00	0.00	0.000
Pounds per day - Paving	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	000
Tons per const. Potiod - Paway	0.00	0,00	0.00		0,00	0,00	0.00	0.00	0.00	0,00
Total lone per construction projec	0.00	. 5,00	0.00	000	0,00	0.00	0.05	C.DU	0.00	0.03

Note: Fugitus dual databili values can be overridden in cells (2171 through (2173)

Fugitive Dust	Josr Overnice of Max Acreage Obsurba@Cay	Default Maximum Acreage/Des	PM10 pourd <u>s/c</u> by	PM10 tons/ber period	P//2.5 sounds/day	PX/25 tens/ger period
Functive Dust - Gaussenst, and Clearen:			20.00	0.12	4.16	
Fugillye Curt - Grading Excercise			j. 20.00	1,68	4.16	0.35
Fugling Out - Orainage/Utilities/Subgred			20.03	0.12	<u>4.16</u>	0.02

. ..\_\_\_\_\_

Values in cells C183 through 0216, 0234 through 0367, C285 through 0318, and 0336 through 0369 are required when 'Other Project Type' is soluct

	Detaux	Mubatelina O	ihoo											_
ibbing/Land Clearing	Number of Vehicles	Override of Cafault Equipment Tier (appEable only when "Tier 4 Mögation" Option	Default		R05	co	NOx	PM1D	PM2.5	SOx	CO2	CH4	120	cox
Overnoe or Occount Number of Vehicles	Program-ostimate	Solected)	Equipment Tier	Туре	pounds/day	pounds/day	perioda/day	toouride.ktev	ocupda/day.	on other filles	ooundeking.			
			Model Default Tra	Aerial Litiz	0.00	0.00	0.00	0.00	100	0.00	0.00	0.00	poundated	00000000
	·		Model Default Tro	Air Compressors	0.44	2.49	295	0.23	0.23	0.00	375.26	0.04	0.00	977 1
			Model Default Tio	Bore/D:0 Alge	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	0.00	
2:0		<u> </u>	Model Dofinial Tip	Content and Mortar Mixon	0.00	0,90	0.00	0.00	0.00	0.00	0.00	6.00	0.00	
			Model Defavo Tre	Concrete/Industrial Sawt	1.16	7,50	8.52	0.61	0.61	0.01	1 185.33	0.00	0.00	1 190 5
2191		-	Model Coleur Tro	Cranes	0.65	2.76	7.69	0.34	0.32	0.01	577.24	0.18	000	600
		-{·	Model Deteut Tio	Crawfor Tractors	1.36	5,50	18.17	0.69	0.64	0.02	1 576 92	0.48	0.01	1 603.0
100			#Andel Default Tio	Crushing/Proc. Englement	0.00	0.00	0.00	0.00	0.00	000	000	0.00	0.00	0.000
201		·{	Model Delault Tio	Excavalors	0.36	3.44	4.04	0.20	0.18	0.01	544.60	0.17	0.00	664
2.0.	_		Model Octouit T-a	ForstDis	0.42	2.50	3.65	0.30	0.28	0.00	312.51	0.10	0.00	316.7
	— _ /		Model Detault Tra	Generator Sale	5.54	7.55	8.93	0.60	0.60	0.01	1 246 07	0.10	0.00	1 261 7
		·	Model Coloutt Tre	Gradien	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1024,1
			Model Debuil Te	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	0.0
200		- <u> </u>	Model Defeuti Tin	Off-Highway Trucks	0.00	6.00	0.00	0.00	0.00	0.00	600		0.00	
			Model Defaug Tre	Cther Construction Environment	1.28	8.51	14.00	0.74	0.68	0.01	1 263 73	0.00	1.00	1 276 6
			Model Defend Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	1,270.0
			Model Default Tro	Other Metavial Hundling Equipmon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0
			Model De aux Tup	Pevela	0.00	0.00	0.00	0.00	0.00	000	600	0.00	000	
		·	#Aode: Default Yie	Paving Souipman	0.00	0.00	0.00	0.90	0.00	000	0.00	0.00	0.00	0.0
	—·		Model Delault Tro	Plato Compactore	0.00	0.00	000	0.00	1.00	0.00	0.00	0.00	0.00	0.0
	· · · · · · · · · · · · · · · · · · ·		Model Default Tas	Pressure Washars	0.00	0.00	000	0.00	0.00	0.00	0.00	0.05		
			ASOCIL Delouit Tre	Pumps	0.00	0.00	0.00	0.00	0.00	000	2.00	0.00	0.00	0.0
······································			Model Calcult Tie	ReCord	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
300			Model Default Tie	Reuch Terrain FortScu	0.00	0.00	0,00	0.00	000	0.00	0.00	0.00	0.00	0.0
			Model Default Tie	Rubber Tured Dozen	2.28	19 88	26.34	1 23		0.00	1 470.00	0.00	0.00	4,000
			Model Onlate Tup	Rubber Tunc Loaden	0.00	0.00		100		0.02	1,020,02	0.55	0.02	1,838.5
			Model Default Tip	Scrapers	õõ	0.00	0.00	0,00		0.00	0.00	0.00	0.00	0.0
			Model Datevil Tio	Signal Bourd	0.11	0.50	0.00	0,00	0.00	0.00	0.00	0.00	0,00	0.0
			Model Delaus Tip	Skid Steer Loaderr	0.00	000	0.02	0,03	0.03	0.00	96.63	0.01	0,00	99.1
	_		Model Default Yie	Sufficient Featiement	0.00	000	0.00	0.00	0.00	0,00	0.00	0.00	0,00	0.0
1,00			Macal Delayt Fie	SwarpageSoubhere	0.00	2.00	2.43	0.00	0.00	0,00	0.00	0.00	0.00	0.0
2.00			Mod of Deloutt Tab	Tracional and an Buchton	0.01	1.00	5.13	0.27	فتطل	0.00	259.65	0.08	3.20	262.5
			Mod el Dessuit Tre	Treachers	0.00	0.00	0.13	0.46	0.43	0,01	643.09	0,20	0.01	649.5
			Model Calcult Tre	Understans.	0.00	0.00	0.00	0.00	0.00	0.00	D.96	0.00	0.00	0.03
					0.00	0.00	<u></u>	0.00	0.00	0.00	0.00	0.00	0.00	<u>C.C</u>
Defined Off-road Equipmen:	If non-color: Livehides are up	N, please provide information in Non-data	It Off-raze Equipment' (		000									
Number of Vehicles		Equipment	0	Type			NUX.	PAGU	PM2.5	SOX	CO2	CH4	:20	CO2
0.00		N/A			0.00		permence.	pounderany	poundaria	poundsides	bounday	224044463	pounds/day	pounds/da
0.00		N/A		- :	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.0
		N/A		-1 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20
0,00		N/A		-1 %	0.00	0.00	0.06	0.00	0.00	0,00	0.00	0.00	0.00	0.0
0.00		N/A		-1 2	0.05	0.00	0.00	6,00	C.00	0,00	0.00	0.00	0.00	0.0
05.5		hira		-	0.00	0.00	0.00	0.00	C.D0	0.00	0.00	0.00	0.00	0.0
0.00		N/A	•	-1 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.0
				- <u></u>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	Grubbles/Land Cleaning			normale easi day	40.00							_		
	Grubbing/Land Clearin:			provide por any	10,32	67.64	104,30	5.71	5,37	0.10	9,903.26	2.40	0.08	9,987,57
				tone per price	(LOS	D.41	0,63	0.03	0.03	0.00	59.42	0.0:	0.00	50.03

4

	Default	Miligania O	otica					01110	oun é		6.00	CH4	120	com
ndinglexcavation	Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Milgelion" Option	Colout		ROG	ço	хСи	PMIC	PM25	SUX		u≓a 	N20	
Ovenide of Balault Number of Vehicles	Program-estimate	Selected)	Equipment Tron	Туре	Foundation	poundsiday po	ounds/day	_pounds/cay	BOUNDS/COV	pounds/day c	ounds/dby	penusa/day	0.00	
			Model Delata Tie	Aaral Ufs	0.00	0.00	0.00	0.00	0.00	0.00	2.00	000	888	0.00
			Model Default Tes	Ar Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	2.00
			Model Defeut Tee	IBSIN' JIU KINI	0.00	0.00	0.00	0.00	0.03	0.00	101.00	0.01	0.00	101.55
2.00	- 1		Model De ault Ine	Certain and Portar Miken	0.12	0,02	0.75	0.00	000	0.00	0.00	0.00	0.00	0.00
	_r		AVORBI CASACIT 1 4		0.05	0.00	0.00	0.00	0.00	2.00	9.00	C.CO	3.0C	0.00
		<u></u>	NOCO DETENICIÓN	Cranes Tables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00
			MADDIN LIGHTING THE	Crewier riscon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Madel Delays IN	Examples	0.73	5.28	8.08	0.40	0.37	0,01	1,089.21	: 33	0.01	1,106.33
200			Hodel Default Tre	Fortige	0.42	2.50	3.65	0.30	0.28	0,00	312.51	0,10	0.00	315.70
200		+	Mostel Defeut Tre	Generation Sets	1.14	7.55	8,93	0.60	0.60	0,0:	1,246.07	0.10	0.01	: 251.38
2.00			Model Celault Teo	Gradate	0.00	0.00	0.00	0,DC	0.00	0.00	0,00	0.00	0.00	0.00
			Store Desnit Tro	Cfl-dalway Tooton	0.00	0.00	0.00	0,00	0.00	C.00	0.00	3.90	0.00	0,0C]
			Madel Defoult Tie	Off-Highway Trucke	0.00	Ċ.ÇÓ	0.00	0.00	0.00	C.00	0.90	C.DÛ	0.00	0.00
	_ <u></u>		Model Detauk Tie	Other Construction Equipment	2.55	17,01	28.00	1.48	1,36	0.02	2,527.45	0,77	C.02	2,553.31
4,00	~	~	Nodel Detaut Tio	Other General Industrial Equipmen	0.00	0.00	0,00	0.00	0.00	0.0¢	C.00	0.00	0.00	C.00
			Model Cetaur, Tre	Other Material Handling Equipmen	C.50	3.95	5.29	0.28	0.26	0.01	587.25	0.18	0.01	593.25
		<u>+</u>	Model Default to	Pavers	<b>B.CO</b>	0.00	0.0C	0.00	0.00	0.00	0,00	0.00	0.00	0.00
· · · · · · · · · · · · · · _ ·			Mccel Delaut To	Paving Equipmen	0.00	0.00	C.00	0.00	0.00	0.00	3.30	0.00	3.20	0.00
			Model Dafault Tre	Plate Compactant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V	0.00
			Atodal Default Tro	Pressuce Washara	C,00	9.00	0.00	0.00	0.00	0.00	0,00	0.00		0.00
			Mode) Detruit 1:0	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00
			Made Default Tio	Robers	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	ñ an
			Model Detauz Tro	Rough Tetrain Foldiat	0.00	0.00		0,00	0.00	0.00	ňm	0.00	0.00	0.00
			Nodel Celeval Tre	Hubber Tures Dozen	0.00	0.00	0.00	0.00	0.00	0.00	ňň	čõõ	0.00	0.00
			Model Defaca Tra	Rubber fired Loaden	0.00		0,00	0.00	6.00	0.00	0.00	200	0.00	0.00
			Model Default Tes	Serapora	0.00	0.50	0.00	0.00		n.00	96.63	0.01	0.00	99.13
2.00			Modial Celauli Tin	Signal Beards	0.11	0.00	0,72	0.03	000	0.00	000	000	0.00	0.00
			NOCH Delault Inc	Side Steer Loagen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Riocol Cesault 1.4	Sunacing Compriser	0.37	200	3 13	0.27	0.25	0.00	259.85	C.C8	0.00	262.50
1.90			MODEL DUDING NO	Tread and an deror Brakknes	0.54	4 84	6 15	0.45	0 43	0.01	643.09	0.20	0.01	649,65
200			Wodel Dead	Treachers	5,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Eadel Delaut The	Weiners	0.00	9.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	C.CD
			NOGEL CHIMER 119											
	والمعقوبة فالمتعادية والمعاجلة والمعادية	and planas provide information of the	fault Officeart Eautomeat" I		ROG	ÇO	NOx	PMIQ	21/2.5	SC.	CC2	CH4	N20	CO20
User-Defined Off-road Equipmen	i nosobstan versebstan a	Eauloward States	Tar	Type	ocundarday.	pounds/day (	pounds/cay	pounda/day	poundoiday	poundticay	DOUL-15/04	pounds/dey	powndarday	200465/001
Namper of Volucies		NA		0	6.00	3,00	0,00	0.00	0,00	0.00	0.00	3,00	0,00	0.60
		N/A		- c	0.00	0.00	0.00	0.00	0.00	¢.00	0.00	0.00	0.00	0.00
		S/A		-1 o	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0¢	0.00
		NA			0.00	0.00	0,00	0.00	0.00	0,00	0.00	0.00	0.00	0.00
	· · · · · · · · · · · · · · · · · · ·	Aut		•	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C.C0
0.00	· · · · · · · · · · · · · · · · · · ·	NA		] 0	0.00	0.00	3,30	0.00	0.00	3,00	0.00	0.00	0.00	0.63
		N/A		<u></u>	0.00	0.00	D.00	0.00	2,00	0.00	0.00	0.00	0,00	0.00
0.00										0.03	6 665 10	. 79	0.06	6.606.81
	Grading/Excevator			pounds per day	6.59	46.33	64,69	3.65	3.59	0,07	0,000.10	1.10	0.00	6320,0
	Gradion/Excavation			tons per phose	0.55	3.87	5,43	0.32	0.30	1,000	5/5.9/	0.75	0.00	364.6

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Description         Number of Valuable Default Exprogram Trie of only other Title 4 Mitigation? Object         Default & Default Exprogram Trie of Default Exprogram Trie of only other Title 4 Mitigation? Object         Default & Default Exprogram Trie of Default Exprogram Trie of	K2D         CO2           K2D         CO2           K2D         D,00           K2D         D,00           K2D         0,00
Overrida of Celsuit Number of Var: des         Programment Tar 4 (applicate) ( overrida of Celsuit Number of Var: des         Post of Var: des         Post of Var: des         Post of Var: des         Size Co2         C/4           Overrida of Celsuit Number of Var: des         Post of Var: des	K2D         CO2           K00         D,DL           K00         D,DL
Overrids of Celosek Number of Variaties         Programments         Sold and property         Equipment Ther         pounds/day	Gay         pounds/ds           k00         0,01           k00         0,00           k01         906,85           k00         101,05           k00         0,00
Control         Control light of light         Control light of light         poundation         poundation <td>Cov         pounde/de           XCO         D,01           XCO         D,01</td>	Cov         pounde/de           XCO         D,01
100         Product Virul 1/6         Artig Life         Artig Life         Oto         Oto <tho< td=""><td>Ody         psinos/ss           XCO         D,OL           X.00         D,OL           X.01         906.85           U.05         101.55           X.00         0.01</td></tho<>	Ody         psinos/ss           XCO         D,OL           X.00         D,OL           X.01         906.85           U.05         101.55           X.00         0.01
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203         1000000000000000000000000000000000000	0.01 906.8: 0.05 101.55
Image: Construction of the state o	00 101,5
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120         64034         Construction         0.00	ແຫຼ່ວ ວິດ
2000         2000 <th< td=""><td>.00 0.00</td></th<>	.00 0.00
100         Media (Section) Tria         Proteins         Color         3,34         4,44         D.20         0,45         0,91         544,80         C,17	.00 0.01
Medd (bring Te         Generation State         0.00         2.00         0.01         0.02         0.00         31.251         0.10	.00 550.17
Added [Genu Te         Graders         Good         Out         Ditt         City         Ditt         Ditt <thditt< th="">         Ditt         Ditt</thditt<>	.00 315.70
Model         Media         Confeginary         Confe	.00 0.00
4.00         Model Deling To         Off-Agreewy Tracks         2.00         0.000         0	.00 00.00
Kodel Délével Tio         Other Construction Equipment         2.55         17.01         28.00         10.46         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         207.04         0.002         0.003         0.002         0.002         0.003         0.003         0.002         0.003 <th< td=""><td>.00 0.00</td></th<>	.00 0.00
Adde0 Defends Tre         Office General Industrial Equipment         0.00 <th< td=""><td>00, 00,</td></th<>	00, 00,
Model Celeviti Tie         Other Yalarial Handfing Equipmer         0.00         0	172 2,553,31
Participation         Participation         Dot         Dot <thdot< th="">         Dot         <thdo< th="">         Dot         Dot</thdo<></thdot<>	.00 0.00
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Model Dolech Tig Skid Steet Lander 0.01 0.80 0.72 0.03 0.03 0.00 98.63 0.01 /	DC 99,13
2 1/3 Model Default Tig Surface Generative Control 200 0.00 0.00 0.00 0.00 0.00 0.00 0.00	00 0.00
ADD	aa aaa
Medel Default Tie Tractom/Loadera/Backhoos 128 067 1323 022 025 0.00 259.85 0.08	ob 252.50
Model Cabuli T.:: Trenchere 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0: 1,299.30
<u>Model Cetauli Tie (Vietlers</u> 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	00 0.00
User-Octave Off-read Equipments is an advantage of the second secon	200
Number of Vehicles	
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During al Cable Humber al Values         Program (a) (bale Humber al Values)         Program (b)	Paving	Defaile Number of Vehicles	Override o' Override o' Defauë Equipated Ter (apploable oray when "Ber 4 Midaetion" Onlion	Detaul		ROG	¢o	NÓK	P1510	PM2.5	SOx	<b>C</b> O2	CH4	N20	cô
Image: Control (1)         Model (1)	Override of Default Number of Vehiclos	Program-ostimate	Selected)	Equipment Ter	Туре	pounds/day	pounde/day p	ounds/day	pounds/day	pounds/day	pounds day	ocundsiday	pounds/day	pounds/day	000750/
Image: Control of the second				Model Delavit Tis	Acrial Life	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0,00	D.DO	C
Image: Control of the state is a state in the state is	· · · · · · · · · · · · · · · · · · ·			N2odel Defau2 Tie	Air Compressors	0.00	0,00	0.00	0.00	0.03	0.90	0.00	0.00	0.00	
Image: Control of the second	··· · · · · · · · · · · · · · · · · ·			Readed Default Tre	Gore/Drill Rigt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200	0.00	5
Image: Control of the contro				Model Deleva Tie	Cement and Mostar Moters	C.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	5.50	
Image: Control of the second of the				Model Detect Tie	Concrete/industrial Sawr	0.03	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7
Image: Control of the second of the			<b></b>	Model Defecti Tas	Linanec	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00		
Image: Constraint of the second sec				Model Default Int		0.00	0.00	0,00	0,00	0.00	0.00	0.00	0.00	0.00	
Image: Control of the state of the				BIT RUSTING INDOM	спалларинос. Едирлен	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
210         interact State         144         754         6.60         0.00         0.00         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01				Modal Cetaun ne	Exceverore In Aller	0.00	0.00		0.00	0.00		0,00	0.00	2.00	
200         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000 <td></td> <td></td> <td></td> <td>NORE DEBUILTE</td> <td></td> <td>0.00</td> <td>7.66</td> <td>4.00</td> <td>0.00</td> <td>0.00</td> <td>0.01</td> <td>1 245 07</td> <td>0.17</td> <td>2.00</td> <td>- 54</td>				NORE DEBUILTE		0.00	7.66	4.00	0.00	0.00	0.01	1 245 07	0.17	2.00	- 54
Image: Control of the second	2.00		4	Model Devolt 1:8	Condum Cont	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Image: Control of the second of the				Model Cerrar Lie	Of Makieu Teuriem	0.00	0.00	ň	0,00	0.00	0.00		0.00	0.00	
Image: Control of the Contro			<u>                                     </u>	Model Delbar He	Of Victory Taraba	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	
Image: Constraint of the	_ <u>-</u>		<u></u>	NADORI URREUZ TIO	Oliver Commention Foreigner	0.00	0.00	200	0.00	0.00	0.00		0.00	000	
Control         Note Control is an other parts         Control is an o	·			A SOM UNDAR THE	Other Construction Equipment	0.00	0.00		ññ	0.00	0,00	0.00	0.00	0.00	
240         Media (Statul) 1/2         Priving Equipment         0.73         5.72         6.13         0.047         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.057         0.				NARGE Delater To	Other Veterial Machine Equipment	0.00	0.00	0.00	200	0.00	c.00	0.00	čči.	0.00	
100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100 <td></td> <td></td> <td></td> <td>Redel Defet of The</td> <td></td> <td>0.73</td> <td>\$75</td> <td>813</td> <td>0.40</td> <td>017</td> <td>0.00</td> <td>931 42</td> <td>0.29</td> <td>0.01</td> <td>3</td>				Redel Defet of The		0.73	\$75	813	0.40	017	0.00	931 42	0.29	0.01	3
AD         Excel Detail fe         Pair Completer:         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <th0.< td=""><td>2.00</td><td></td><td></td><td>Marcial Cialmiti Lino</td><td>Paving Equipment</td><td>0.57</td><td>511</td><td>6.48</td><td>0.32</td><td>2.30</td><td>0.01</td><td>827.02</td><td>0.25</td><td>0.01</td><td>8</td></th0.<>	2.00			Marcial Cialmiti Lino	Paving Equipment	0.57	511	6.48	0.32	2.30	0.01	827.02	0.25	0.01	8
Image: Characterized in the second	2w			Mariel Default Tet	Pale Competitor	0.00	0.00	0.00	0.00	040	0.00	0.00	0.00	0.03	
Image: Control of the contro				Notel Colouit Te	Pressure Wethers	0.00	0.00	0.00	0.00	660	0.00	0.00	0.00	0.00	
200         Noted Gate II a         Paters         CRS         4.03         5.88         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83         0.43         5.83				Model Detruit Tec	- Pi-man	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
210         Field Calculation To         Record Calculation To         Record Calculation         Condensity To         Record Calculation         Condensity To         Record Calculation         Condensity To         Record Calculation         Condensity To         Calculation         Calc			<u> </u>	Model Deletilt Tre	Rotars	0.63	4.03	5.88	0.43	0.39	0.01	5<3.03	C.17	5.00	5
Image: Control of the contro	4.4		-{	Report Contact II Tie	Bound Terrain Ferklift	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Image: Control of the contro		·····		Repried Detends Tre	Bubbar Tirod Dozen	0.00	0.00	6.00	0.00	0.00	0.00	2.30	0.00	0.00	
200         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00			·	Model Default Tre	Rubber Tree Loaders	0.00	0.00	0.00	0.00	C.DD	0.00	0.00	0.00	0.00	
2200         000000000000000000000000000000000000				Wadel Delaw, Tre	Scrabere	0.00	0.00	0.00	0.00	0,00	0,00	0.00	0.00	0.00	
Althout         Neted Deficit 10         Sidd Steet Labeler         D.00         2.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00				Vodel Optova Tip	Siccal Boards	0.11	9,60	0.72	0,03	0.03	0.00	98.63	0.01	0.00	
Image: Section of the sectio				Model Default Tie	Sigd Steet Loadert	0.00	0.00	0.00	0.00	0.00	5,00	0.00	0,00	0,00	
100         Model Default 1°         Sweeperstructurement         0.37         2.06         3.13         0.27         3.25         0.00         266.00         0.00           200         Model Default 1°         Transhers         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0			+	Model Default Tre	Surfacing Epufpmen	0.00	0.00	0.00	0.00	0.90	0.00	0,00	0.00	2.00	
202         0         Model Generalizationes         0.64         4.44         6.15         0.43         0.01         643.00         0.01         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00<				Model Delaut Tre	Sweepers Scrubbert	0.37	208	3.13	0.27	3.25	0.00	259.85	0.08	0.00	2
Loc         Model Geball Tre, Instruction         Trenchers         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00         0,00			- <u> </u>	Model Colaul: Tro	Tractors/Loaders/Backhoes	0,64	4.84	6.15	0.45	0.43	0.01	643.09	0.20	0,01	e
Model Default Tea         Model Default Tea         Wredem         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00				Modal Catoult Tro	Trenchera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Root Defined Off-road Equipment         If: conceluit, total lines or subce, please orounds information in Non-default Diff-road Equipment*1         ROG         CO         NOX         PM2.5         SOX         CO2         CH4         N25           0         0         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000         000				Aloral Dalouit T-a	Wettern	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Number of Volides         Environment Ter         Type         Dounds(tay         D	isor Delland Off-rand Equipment	If convertious web size are us	es, siease orovise information in 2/00-def	aut Off-read Equipment I		ROG	CO	NÔx	P3410	PM2.5	SOx	CO2	CH4	N20	
0.00         30A         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.0	Number of Volides		Ecuipment	Tier	Туре	pounds/day	pounds/Cay	powerds/dia <sub>l</sub>	pounds/co)	pounderfoay	eounds/day	councis/day	DOUNDS/COY	pounds/day	59UT
0.00         10/4         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.	0.00		XXA			0.00	0.00	0,00	0,00	0.00	0.00	0.00	0.00	0.00	
COC         NA         0         C.CC         C.CO         C.CC         C.CC <thc< th=""> <thcc< th=""> <thcc< th=""></thcc<></thcc<></thc<>	0.00		N/A		-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00         100A         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.	0.00		N/A		?	0.00	0,00	0.00	0.00	0.06	0.00	0.00		0.00	
DD0         RVA         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00	0.00		NA			0.00	0.00	0.00	0,00	0,00	0.00	0.00		0.00	
0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <th< td=""><td>0.00</td><td></td><td>N/A</td><td></td><td></td><td>0.00</td><td>0.05</td><td>0.00</td><td>0.00</td><td>0,00</td><td>0,00</td><td>0.00</td><td>0.00</td><td>0.00</td><td></td></th<>	0.00		N/A			0.00	0.05	0.00	0.00	0,00	0,00	0.00	0.00	0.00	
Pawing         paumés per day,         4.19         29.93         29.41         2.51         2.36         0.05         4.543.11         1.09         0.04         4           Pawing         tons por phase         0.05         0.35         0.47         0.03         0.00         4.59         0.01         0.00	0.00		<u></u>		- 0	0.00	0.00	0.00	0,00	0,00	0,00	0,00	0.00	0.00	
Paving points per cas co.s. 235 co.s. 255 co.s. 255 co.s. 256 co.s						4.17	20.00	19.44	351	2.15	0.25	454911	1 00	0.04	
		Paving			tons per phase	0.05	2333 0.36	0.47	0.03	0.03	0.00	54,59	0.01	0.00	4,5
		Je aving	<u> </u>												

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Engloment detout values for those power and hourskipy can be overridden in calls D391 through D424 and P391 Inreugh P4

Equipment         Horsepower         Horsepower         Horsepower         Horsepower           Avid LAs         53         6         6           Avid LAs         53         6         6           Avid LAs         9         6         6           Concel and Morac Mixors         208         8         6           Concel and Morac Mixors         633         8         6           Concel and Morac Mixors         6         6         6           Concel and Morac Mixors         623         8         6         6           Concel and Morac Mixors         172         8         6         6         6           Charder Morac Mixors         172         8         6		User Override of	Dofault Values	User Overtide of	Default Votures
Antie Lita         93         100         6           Art Composition         78         6           SeverGrill Rigs         206         6           Connews and Moran Morens         9         8           Connews and Moran Morens         9         8           Connews and Moran Morens         9         8           Conseter and Morans         9         8           Conseter Advanced Morans         8         9           Conseter Advanced Morans         8         8           Charlystep Proces         172         8           Chard Streat Morans         8         8 <th>Equipment</th> <th>Horsepower</th> <th>Horsepower</th> <th>Hoursday</th> <th>Houndary</th>	Equipment	Horsepower	Horsepower	Hoursday	Houndary
Air Compressors         76         6           Concert and Morize Miners         9         6           Concert and Morize Miners         8         6           Concert and Morize Miners         8         8           Concert and Morize Miners         8         6           Concert and Morize Miners         175         5           Concert and Morize Miners         175         5           Concert and Morize Miners         177         8           Chel Construction Equipment         8         8           Chel Construction Equipment         177         8           Other Gonsal And Morize Miners Miners         177         8           Paving	Aonial Litus		53		*
Boot/Soft Niers         206	Air Compressors		78	r	<u> </u>
Comment and Morize Miners         9         5           Chances of Tractors         81         8           Chances of Tractors         9         8           Cranse of Tractors         9         8           Cranse of Tractors         9         8           Cranse of Tractors         8         8           Cranse of Tractors         172         8           Cranse of Tractors         8         8           Cranse of Tractors         131         8           Cranse of Tractors         131         8           Cranse of Tractors         131         8           Cranse of Tractors         8         8           Prevers         131         8           Prevers         131         8           Prevers         131         8 <tr< td=""><td>Sora/Crill Rigs</td><td></td><td>206</td><td>(</td><td></td></tr<>	Sora/Crill Rigs		206	(	
Cancerer/cuerce         91         0           Crass	Coment and Monar Mixers		9	· · · · · · · · · · · · · · · · · · ·	<u> </u>
Chanse         226         0           Conset Tractorin         0.09         8           Crashing/Prace Equipment         85         8           Excavatars         663         8           Conset         63         8           Conset         89         9           Chanser Sois         8         8           Chanser Sois         64         8           Chanser Sois         175         8           Chanser Sois         175         8           Chanser Sois         172         8           Chanser Sois         172         8           Chanser Sois         172         8           Chanser Sois         123         8           Chanser Sois         123         8           Chanser Sois         8         8           Chanser Sois         13         8           Other Scinculution Equipment         131         8           Paving Equipment         8	Contrological states		81		
Canadar Tractors         206         0           Crashing/Proc. Equipment         65         8           Scavatava         163         8           Crashing/Proc. Equipment         89         8           Scavatava         163         8           Crashing/Proc. Equipment         8         8           Scavatava         89         8           Scavatava         175         8           Gradise         175         8           Charlow Trackers         175         8           Charlow Trackers         177         8           Charlow Trackers         177         8           Charlow Trackers         177         8           Charlow Trackers         87         8           Charlow Trackers         172         8           Charlow Trackers         172         8           Charlow Trackers         173         8           Charlow Trackers         176         8           Dears Matchel Handong Equipment         174         8           Dearies Charlow Trackers         175         8           Scavatavas         174         8         8           Paving Equipment         174 <t< td=""><td>Cranes</td><td></td><td>226</td><td><i>_</i></td><td>A</td></t<>	Cranes		226	<i>_</i>	A
Brandbard         Brandbard <t< td=""><td>Crawsor Tructors</td><td></td><td>208</td><td>r,</td><td><u> </u></td></t<>	Crawsor Tructors		208	r,	<u> </u>
Executors         150         3           Codes         69         9           Gadescross         64         8           Gadescross         175         8           Chi-Synay Instas         120         8           Chi-Synay Instas         120         8           Chi-Synay Instas         400         6           Chi-Synay Instas         120         8           Chi-Synay Instas         80         6           Chi-Synay Instas         80         8           Chi-Synay Instas         80         8           Chi-Synay Instas         80         8           Chi-Synay Instas         131         0           Otar Standintum Equipment         80         8           Devest         131         0           Prevest         131         0           Prevest         131         0           Plans Compaciens         8         8           Pressure Witshes         13         8           Punpa         64         6           Ables         6         8           Rubar Tierain Fordiffits         8         8           Rubar Tierain Fordiffits         8	Crushing/Proc. Equipment		85	r	<u> </u>
Packfab         89         0           Gindentice Seis         64         8           Gindentice Seis         175         6           Off-Sightsy Match         120         8           Off-Sightsy Match         120         8           Off-Sightsy Match         120         8           Off-Sightsy Match         120         8           Off-Sightsy Match         172         8           Other Construction Equipment         88         8           Other Statistical Equipment         88         8           Parest         176         8           Parest         176         8           Parest         173         8           Prestore         173         8           Prestore Wastore         9         8           Parast         64         8           Robart Terrait Fordifits         8         8           Rubbor Tired Decrete         200	Excavators		153	//	
Garanter Sois         64         J           Grades         175         8           Christmay Tracks         120         8           Christmay Tracks         120         8           Christmay Tracks         120         8           Christmay Tracks         800         8           Christmay Tracks         8         8           Christmay Tracks         8         8           Other General Industrial Equipment         8         8           Other General Industrial Equipment         8         8           Paving Equipment         137         8           Paving Equipment         131         8           Paving Equipment         8         8           Paving Equipment         131         8           Paving Equipment         131         8           Paving Equipment         8         8           Paving Equipment         13         8           Paving Equipment         13         8           Paving Equipment         13         8           Plass Comparitions         8         8           Paving Equipment         13         8           Paving Equipment         8         8	Forritz		29	//	
Gn Jars         178         3           Ch-leptway Incise         178         8           Ch-leptway Incise         400         8           Ch-leptway Incise         400         8           Ch-leptway Incise         400         8           Chel Sprange Support         80         8           Chel Sprange Support         80         8           Other Scheral Instantial Support         80         8           Other Scheral Instantial Support         8         8           Parers         136         8           Paries Compactures         8         8           Pressure Watters         8         8           Persure Watters         13         8           Persure Watters         8         8           Schallers         8         8	Generator Sets		84	//	
Of-Neightary Tracks         120         8           Of-Metry Tracks         800         8           Other Conduction Equipment         172         8           Other Conduction Equipment         87         8           Other Structure Equipment         87         8           Other Structure Equipment         87         8           Other Structure Equipment         87         8           Paving Equipment         87         8           Paving Equipment         8         8           Presure Wastrate         13         8           Presure Wastrate         13         8           Pause         64         8           Pause         64         8           Pause         200         8           Rubber Tred Leaders         8         8           Rubber Tred Leaders         6         8           Staff Stors Loaders         8         8	Graders		175	/·	8
Christpway Tucks         Comment         Comment           Christpway Tucks         800         8           Christpway Tucks         872         8           Christpway Tucks         872         8           Christpway Tucks         872         8           Other Standal Instaltable Equipment         883         8           Deving Equipment         167         8           Paving Equipment         126         8           Paving Equipment         131         0           Plans Compacture         8         8           Pressure Watthere         131         8           Plans Compacture         8         8           Plans Compacture         8         8           Plans Compacture         13         8           Plans Compacture         8         8           Part Tool Leafers         8         8           Signal Bloatric's         8         8	Off-Highway Tracsors		123	//	
Cher Construction Equipment         172         0           Other General Industrial Equipment         88         8           Other General Industrial Equipment         87         8           Pervers         167         8           Park Match It Ruising Equipment         8         8           Parks         126         8           Parks         131         8           Press         8         8           Press         9         8           Press         9         8           Parks         13         8           Parks         8         8           Adders         8         8           Parks         9         8           Rubber Theol Loaders         8         8           Rubber Theol Loaders         8         8           Singen Bancis         8         8           Singen Bancis	Сб-Курмау Таска		400	//	<u>6</u>
Other Scherch Instantial Equipment         0         0         0           Other Katorial Handing Equipment         167         0         0           Paving Equipment         176         0         0           Paving Equipment         1786         0         0           Paving Equipment         1786         0         0           Paving Equipment         0         0         0         0           Paving Equipment         0         0         0         0         0           Paving Equipment         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         <	Other Condituction Equipment		172		<u> </u>
Other Katoliki Handing Equipment         167         0           Parvers         126         0           Pairo Equipment         0         0           Plato Compactors         0         0           Plato Science         04         0           Adless         0         0         0           Rubbs Tited Deters         000         0         0           Rubbs Tited Loaters         200         0         0           Scisports         362         0         0           Scisports         0         0         0         0           Scisports         0         0         0         0         0           Scisports         0         0         0         0         0	Other General Industrial Equipment		88		
Press         126         0           Paving Equipancia         131         0           Priss Comparizing         0         0           Priss Comparizing         0         0           Priss Comparizing         0         0           Priss Comparizing         0         0           Press Visitions         0         0           Pumps         04         0           Robot Time Occurs         0         0           Rubber Tixed Loaders         000         0           Schaperta         256         0           Rubber Tixed Loaders         0         0           Schaperta         5         0           Schaperta         5         0           Schaperta         5         0           Schaperta         5         0           Schaperta         254         0           Suffscrip Equipment         254         0           Suffscrip Equipment         62         0           Schapera         0         0           Schapera         0         0           Schapera         0         0           Schapera         0         0	Other Matorial Handling Equipment	<u> </u>	167		
Paving Equipment         Difference         Difference <thdifference< th="">         Difference         Di</thdifference<>	Povers		125		<u>~</u>
Price Comparizon         0         0           Presure Winstone         0         8           Presure Winstone         04         8           Presure Winstone         05         8           Rough Terrain Fordifits         100         8           Rubber Tired Loaders         200         6           Scrapest         200         6           Scrapest         362         8           Scrapest         65         8           Stat Start Scotting         6         8           Vestores         86         6           Stat Start Scotting         8         8	Paving Equipment		131		
Pressor Washere         13         0           Purps         64         8           Rolps Forein Forditts         81         8           Rolps Forein Forditts         81         8           Rolps Forein Forditts         1009         8           Rolps Forein Forditts         9         8           Rolps Forein Forditts         1009         8           Rolps Forein Forditts         1009         8           Rolps Forein Forditts         9         8           Rober Tool (safers         200         6           School (safers)         352         8           School (safers)         65         8           Staff Sher Louders         65         8           Suffstorg (support         8         8           Suffstorg (support)         254         8           Suffstorg (support)         62         8           Support/Suban         62         8           Tratoma (safet-bloope         8         8           Touborts         81         8	Plate Compactors		a		
Purpas         04         Purpas           Aollers         64         6           Aollers         87         8           Rubber Tred Loadres         256         6           Rubber Tred Loadres         256         6           Scrapora         200         6           Scrapora         362         8           Scrapora         6         8           Scrapora         6         8           Scrapora         65         8           Suffsore Loadres         64         8           Suffsore Loadres         64         8           Suffsore Loadres         64         8           Suffsore Loadres         64         8           Suffsore Loadres         86         9           Suffsore Loadres         86         9	Pressure Washers		13	I	
Alless         31         9           Rough Terrain Fordifits         8         8           Rubber Tired Leaders         100         8           Rubber Tired Leaders         200         6           Scrapest         300         6           Scrapest         36         8           Scrapest         362         8           Scrapest         65         8           Suffscrap Equipment         65         8           SurgespectScrapest         64         8           Transfered         86         6           Wedsars         85         6	Punga		64		<u>6</u>
Rough Terrain Forditis         00         0           Rubber Terrain Forditis         100         B           Rubber Terrain Forditis         255         B           Rubber Terrain Forditis         200         6           Scrapsch         362         B           Staff Store Loaders         65         6           Staff Store Loaders         65         8           Staff Store Loaders         8         9	Rollers				
Rubber Tired Decres         255         0           Rubber Tired Decres         200         8           Sempera         2009         6           Signal Heart's         6         8           Signal Heart's         6         8           Signal Heart's         6         8           Signal Heart's         6         8           Suffscrup Equipment         254         8           Wespers/Strubern         64         8           Transhors         86         6           Westers         85         8	Rough Terrain Fordifts		100	· · · · · · · · · · · · · · · · · · ·	
Rubber Tied Loaders         200         6           Scapest         362         8           Signal Bacrós         6         8           Súd Siber Loaders         65         8           Suffaster Equipment         65         8           Suffaster Equipment         254         8           Vessopers/Stankbans         64         6           Transfer         86         8           Westars         65         8	Rubber Tired Oczans		255		
Scrapors         Scrapors         0           Signal Block /s         6         0           Signal Block /s         6         0           Suff store Looders         65         0           Suffs and Exclosion         65         0           Suffs and Exclosion         62         0           VerspectroRest.name         0         0	Rubber Tirod Loaders		200		<u>6</u>
Signal Bloards         0         0           Sidd Slove Loaders         6         0           Sudd Slove Loaders         65         0           Sweppers/Schuben         254         0           Sweppers/Schuben         64         0           Transmit Aoders/Seckhoes         90         0           Transmit         0         0           Wedgers         81         0	Scrapers		362		<u>\$</u>
Skid Silver Loskers         0           Suid Silver Loskers         65         8           Suid Silver Loskers         254         8           Vestoppers/Silvers         64         6           Tractorers         96         6           Unothers         81         6           Westers         65         0	Signal Boarcis	r t			°
Comparison         Compari	Sidd Slater Loaders		65		
Sweeports/Sch2ben         0           Fractoral Social S	Surfacing Equipment				°
Percent Seckipses         O         O           Transitions         81         8           Vestors         65         0	Swoopers/Schabers			<u> </u>	
B1         B           Wetsers         68	Tractoral coders/Beckhoes				<u>_</u>
Welsers 46	Transhers	r	- <u>A</u>	, <del></del>	<u>+</u>
	Welsers				è

END OF DATA ENTRY SHEET

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8

Daily Emission Estimates for ->			<b>—</b> ··					· ·· ·						
Project Phases (Pounds)	POG (Ibs/day)	CO Baiden	Silve Gineraleus	Filled (baldaur)		Fugilive Dust	Total	Exhaust	Füglöve Dust					
Grubbing/ and Clearing	t0 41	68.54	\$1.87	23.19	7 18	20.00	PALCE (IDSIGER)	PMZ.6 (EDSIGOY)	P/h2.5 (Ibs/day)	SOx (lbs/day)	CD2 (Ibs/day)	CH4 (Ibs/day)	N2O (Fbs/day)	CO2e (ibs/day)
Gradina/Excavation	672	47 16	53.20	20.10	2.10	20,00	1.13	2.97	4.16	0.10	10,438.90	2.41	0,10	10,527.94
Drainage/Utilizes/Sub-Grade	5.63	38.83	46 15	21 80	<u>دع</u> ه ۵۵	20,00	0.10 £ 00	2.02	4.16	0,08	8,461.78	1,79	0.11	8,538,67
Pavias	4 30	30.00	37.79	41.93	. 1.03	20.00	58.G	1.72	4.16	0.06	5,563.57	1.81	0.07	6,628,87
Maximum (navnie (dav)	16.64	516 G1	121 64	46.57	1.40	0.00	1.32	1.32	0.00	0.05	5,438.44	1.10	0,06	5,485.17
Total (matrostruction project)	0.01	4.98	5.64	93.37	0.3/	40.00	13.39	5.07	8,32	0.20	20,463,79	4.71	0.24	20,652.71
Noles - Drojent Start Year ->	2017	4.30	0.04	~ 10	. 0-24	1.92	V.61	0.21	0.40	0.01	878.07	0.19	0.01	866.01
Definition for the second seco	2017													
Total Broket Area (acree) ->	*0													
Maximum úras Disturbad(Dou (seras) →	, (r 2													
Maximum Area Children or a construction of a constant	2						•							
Trater from Dacor -	Total Material In	notted/Expedied	r		<u> </u>		1 I							
	Volume	walden)		Daily VMT	(miles/day)									
Phase	Soil	Asnhall	Soil Hauting	At shall Keuling	Marker Commute	Mater Trusk	ł							
Gathbing() and Clearing	50m		sournauling so	Asphalt Hatting	Too Too	Water FRUCK	4							
Gradion@vcavation	100	50	200	200	200									
Drain age/ Hibbles (Sub-Grade	50	20	50	200	200	v								
Paviag	50	60	100	100	200	Ů								
PM10 and Pt/2 5 estimates assume 50% control of fundive dust t	from watering and a	we ocialed duti one		information of the	-200	<u> </u>	J							
Total Emission Estimates by Phase for ->					Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	<b>-</b>				
(Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NDx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM1D (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	- PM2.5 (lons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tens/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.06	0.41	0.50	0.14	0.02	0.12	0.04	0.02	0.02	0.00	62 63	0.01	0.00	57.31
Grading/Excavation	0.56	3,96	4,47	1.87	0.19	1.68	0.52	0.17	0.35	0.01	710,79	D.15	0.01	650.68
Drainage/Utilities/Sub-Grade	0.03	0.23	0.28	0.13	0.01	0.12	0.04	0.01	0.02	0,00	39.38	0.01	0.00	35.08
Paving	0.05	0.37	0.39	0.02	0.02	0.00	0.02	0.02	0.00	0.00	65.26	0.01	0.00	59.71
Maximum (tons/phase)	0.56	3,96	4.47	1.87	0.19	1.68	0.52	0.17	0.35	0.01	710,79	0.15	0.01	650.68
Total (tons/construction project)	0.71	4.98	5.64	2.16	0.24	1.92	0.61	0.21	0.40	0.01	878.07	0.19	0.01	803.78
Notes: Project Start Year ->	2017						· .	• •					0.01	000.10
Project Length (months) ->	9													
Total Project Area (acres) ->	10-													
Maximum Area Disturbed/Day (acres) ~	2													
Water Truck Used? →	Yeş													
[	Total Material Im	posted/Exported		Deboart	(	·	1							
Ι [	Volume	(yd <sup>3</sup> /day)		Dality vivia	(mites/oay)									
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hausing	Worker Commute	Water Truck	1							
Grubbing/Land Clearing	100	50	50	50	200	0	1							
Grading/Excavation	100	50	200	200	200	0								
Drainage/Utilities/Sub-Grade	50	20	50	50	200	0								
Paving	5D	60	100	100	200	0								
PM10 and PM2.5 estimates assume 50% control of fugitive dust t	from watering and s	essociated dust con	tol measures if a m	inimum number of w	eler trucks are specif	ied.	-							
Total PM10 emissions shown in column F are the sum of exhaust	t and fugitive dust e	missions shown in (	olumns G and H. T	otal PM2,5 emission	s shown in Column I	are the sum of exhi	aust and fugitive dus	t emissions shown	n columns J and K.					
CO2e emissions are estimated by multiplying mass emissions for	each GHG by its g	lobal warming poter	ntial (GWP), 1 , 25 s	and 298 for CO2, CH	4 and N2O, respectiv	ely. Total CO2e is I	then estimated by su	mming CO2e estim:	ates over all GHGs.					
The CO2e emissions are reported as metric tons per phase.														

							_		
Road Construction Emissions Model		Version 8.1.0							
Data Entry Markshaat									
Data Entry Worksneet				To have a serie province of the lite	SAGRAUENT	O NETBOPOLIAN		12-0-14	5 CS
NEW: Hogered cars while beyond have a yearw eackgroup				cfeer data previously opioced	This N 500	State Stat	tatio naturi	1.00	
<ul> <li>Chapter and a special second and he manufact Decide second, Chiny are an way         <ul> <li>Chiny are an even of the manufact Decide second decide block are an</li> </ul> </li> </ul>	the backproup			will only work if you goted not 5	disable		Cost Seco	1.22	- 5
The matic regulation to enter elementer in color 010 branch D24, F28	Late of ESS and C34 through	D41 for all project typ		macros when leading the serve	dehect AID C		Oranage 211	1.15	22
Diance the Office Data fored & User Currentes," tetting fait before their	alon the Prayer Type or bon n	INCK OT A		-			t Store	10.1	· · ·
The set of					MANAGE	TENT DISTANCE	•		
input type		1							
Projoci Name	·	4							
		Enter a Year between 2014 and 2025							
Construction Start Year	2017	(inclusive)							
Project Type		1) New Read Construction : Project to I	bulki a naadway irons base ground, w	picy Correctly, redaites word the axes	aration than widening an existing n	ang way.	1		
For a: Correr Linear Project Type, plagae provide project type failed		2) Road Victoring : Project to edd a fi	ew lone to an existing readway						
equipment population and voltikite trip data	-	3) EncodOverpass Construction : Pro	act to build an elevated readway, ver	ich generally requires some cirierent	oculoment then a new readway, su	ch as a crane			
f · · ·	·	A) Other Lunca: Project Type: Non-rea:	iway project such as a pipeline, but	hambalon line, or leves construct					
Project Construction Time	\$.00	monthe.							
Working Caye per Month	24,00	days (assume 22 if unknown					1		
Productioner Settister Type: Enter 1, 2, pr 3		11 Sand Gravel : Lists for suscentary d	spesits (Delig/Most County)			Measo note that the cot type instructions provided in cots	ł		
the eminet within Starsamete Central fellow so I have selection			and a marker that are the	and as the lase frameters (B	ad Campba Dimiana)	E 18 to E20 930 600 TE to Secremento Courty, Maps	1		
inch adapt is sails 640 to 620 alterance are submilled, distinct in	-	2) Weathered Rock-Earth : Use for La	ûne loweroù (sever Hidawa), i	area) or the leve to march (occa we	ala, ikanéna néaraolay	available from the Cattomia Geologic Survey (see weblink	1		
andia 119 la MOS		3) Binsted Rock : Uso for Solt Sorioos	State or Coccey Hill Velcon to (Fol	hom South of Histowey 50, Reaction	Augileta)	oolow) can be used to determine you type outside			
Contra transfer	- 400	milos		•		Sacramonio County.			
Project Lingut	40.00								
TOTAL PROPERTY AVG		Date:				http://www.conservation.cn.cov/cos/brightmalion/beg/opic_m			
Maximum Area Liakuroosiuta;		4 14-1				assire/Pages/asselement assertmentalseres.	1		
Water Trucks Used?	1								
	·	JZ ms							
Made del Maulies Questite Issue									
Material Hauning Quantity Input	· · · · · · · · · · · · · · · · · · ·	1							
National Type	Phase	Haul Truck Capacity (yrs) (essume	(mpon Valame (yBiday)	Expert Volume (yd/day)					
		20.5 (20.000)		100.00			1		
1	Concommunate Cleaner		50.00	30.00					
501	Ore marginal Hallon/Sulb-Crarie	13.00	10.00	40,00			1		
	De tot	13.09	10.00	42,02					
·	Grubbleo Land Cleaner	13.00	0.00	50.00					
	Grad an/Excavation	13.00	0.00	50.00					
Asphaa	Oraino ga/USIttos/Sub-Grado	13,00	10.00	10.00					
	Pavag	13,00	50.50	10.00	\$		i i		
							1		
Mitigation Options									
Cn-mod Floe: Encidence Malgaries	2010 and Nower Onwoad Vehi	ides Fice:	Soled "2010 and Newer On-road Vi	aticias Float" opcon when but on-roa	heavy-duty buck floet for the proje	c) vig to proceed to vahicles of model year 2010 or never			
Off-mark E-stampart E-states Million II.			Select "20% NOx and 45% Extense	ct PM reduction" option if the off-max	construction level moduli the onli	salon standards determined using the SMAQMD Construction Militation			
Constant Construction and Construction	20% NOv and 45% Exhaust P	Ni raduction	Celculator (http://www.airquabty.on	g/coge/milige/ion.ehtml)					
	L		Select "Tirv + Equipment" opdan II sa	me or all off-road equipment used for 1	ve project meets LPA Tier 4 Standar				
1									
							1		
The romaining sections of this sheet contain areas that require m	edification when 'Other Project	ct Type" is actocles							
Nets. The program's estimates of construction period phase length con	n be eventeden et sette Dott inte	algh 253, and FS3 eealigh F							
		Program		President	1				
	Linux Overside of	Colcidator	User Override o'	Default			Protecte Collection	ar shart, freedori	
Construction Parkets	Construction 350	Months	Phone Stations Call	Phase Starting Date			14.4° 6.6°	110.0	v 6.
Construction 2 and Closer'	0.50	0.90	4/15/2017	1/1/2017			417.20	137.00	۰.
GradeniExcenter	7.00	4.05	\$15/2017	1/17/2017			2,229,11	1201211-1-1	÷
Crainene Cilling Std-Grade	0.50	275	10/15/2017	816/2017			17 5 1 (917	0107710	17
Povtng	1,00	1.35	11/15/2017	B/3/2017			11 122212	17 Servers	·
Yotale (Months)		9							

Note. Seil Howing emission debug values can be eventeden in cells D81 through D64, and F61 torough P

Soil Houling Emissions	User Cyperide or MicroRound Top	Program Extinate o MiceARcard Tet	Caar Override of Trock Round Tribe/Cay	Detau# Values Round Tript/Day	Colcuments Opty VMT					
Mileenound bis: Grupping/Land Clearing	5.00		16.00		50.0C					I
Milestround and Grading/Excervatio	29.09		13.00		200.00					
Mas/round top: Oralinger/USIJee/Sub-Gred					100.00					
Mike/reune tr.p: Paving		· · · · ·	10.00							
2010+ Model Year Mitigation Option Emission Raise	ROG	60	NOx	PM10	PM2.5	\$0x	602	CH4	N20	COZe
Grubbing/Land Clobing (grums/mile	6.07	0.36	1.54	0.10	0.04	C.C2	1,504,26	0.00	0.05	1,620.06
Greens/Excevation (grams/mile	2.07	0.35	1.54	0.10	0,04	0.02	1,504.26	5.90	0.05	1.520.0E
Creixing/Utildos/Sub-Grede (grams/r/26	0,67	0.25	1,54	0.10	G.D4	20.02	1,604.26	0.00	0.05	1,620.06
Paving (gramu/mile	0.07	0.35	1.54	0.10	0,04	0.92	1,604.28	0.00	0.05	1,620.06
Hayting Emissions	ROG	<u>ço</u>	NOX	PMID	PNCS	50x	ÇDZ	<u>C844</u>	N2O	C026
Pounds per day - Grupping/Land Clearlo	0.01	0.04	0.17	0.01	0,00	0.00	1/6.84	0.00	0.01	178,58
Tons par const, Period - Grubbing/Land Clearin	0.00	0.00	00	0.00	0.00	0.00	1.09	0.00	0,00	1117
Pounds por day - Groding/Excavello	0.03	0.16	0.68	3.05	0.02	0.01	707,36	0.00	0.02	714.32
Tom per const. Period - Grading/Excevatio	0.00	0.01	0.06	0,00	0,00	0.00	29.42	0.00	0.00	éo ór
Pound's per day - Orainago/US1866/Sub-Grade	9.01	0.04	0.17	0.01	0.00	0,00	178,84	0.00	0.01	178,58
Tom per const. Period - Dechage/UliPice/Sub-Grade	0.00	00,0	0.00	6.00	0,00	0,00	1,06	0.00	0.00	1,37
Poundo per day - Peving	0.01	0.08	9.34	0.92	0.61	0.00	353.68	0.00	0.01	357,16
Tone per const. Period - Paving	0.00	0.00	0.09	5,60	0.00	0.00	424	0.00	0.00	4.29
Total tone per construction project	0.00	0.01	0.06	0,00	0.00	0.00	65.79	0.00	0.00	66.43

Note. Apphalt Hauling emission default values can be eventided in cells 337 through 090, and 787 lifeoigh F

#### 9/8/2016

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Azphait Hevitig Emissions User Input	Wear Overnde or Miles/Round Trit:	Program Extension or Miles-Round Tric	User Overnon of Truth Round True Day	Default Values Round Trips/Day	Calculated Daily VMT					
Wildow to und the Grupbing Land Cleanin;	5.00		10.00		\$3.00					
Multimoting the Gracing/Excavator	20.00		10.00		200.00					
Allow out of the Drane ac Ubleop Sub-State	5.00		10.00		50.50					
Alleghound bip: Pevin;	10.00		10.00		200.00					
2010+ Model Year Millebiles Online Emission Rates										
Gratis rev. and Clear on Jerams/mile			NOX	P8/10	PH/2,5	<u>50x</u>	<u></u>	CH4	NQO	CO2e
Gradiad/Fredevition (norma/mile	D.Or	220	1.54	0,10	0.04	0.02	1,604,26	0.00	0.05	1,629.06
Draining, 35 dee/Sub-Grade (etc.mb/min	0.07	0.35	1,54	0.10	0.04	0.02	1,604.26	0.00	0.05	1,620,00
Pavies (came/min	0,07	0.35	1.54	0.10	0.94	0,62	1,604,25	0.00	0.05	1.623.06
Emissions	0.07	C.35	-,54	0.10	6.04	0.02	1,604.25	0,00	0.05	1,620.06
Counts per care - Gename 2 and Cleake	RUG		NOx	PM10	PM2.5	50x	C02	CH4	N20	CO2e
Tana antimate Decise Contract and Channel	0,04	C,04	0,17	0.01	0.00	0.00	176,84	0.00	6,01	170.50
Devende des deux des dise Theorem 2	0.00	0.00	0.00	0.00	0.00	D.00	1.06	0.00	0.00	1.07
Four se poi any -containty/Excession	C.C3	0.16	0.69	0.05	0.02	0.01	707.36	0,00	0.02	714.37
Toris por targe region - Grae regeneration	C.00	0.01	0.06	9.00	9.00	0.00	\$9,42	0.00	0.00	\$3.00
Poural per cay Urainage/Double/2510-13/25	C.G1	D.64	0.17	9,01	0.00	D.00	176.84	0.00	0.01	178 - 2
Tons por const. Ported - Dramaga/UKELew/Sub-Grad	0.00	00.0	C.00	0.00	0.00	0.00	1.05	0.00	0.00	1.07
Pounde per day - Paving	0,01	5.08	0.34	0.02	001	000	353.68	6.00	0.01	187.50
Tons per contt. Period - Paving	0.00	0.00	0.00	0.00	0.00	6.00	474	0.00	0.00	4.76
Total term per obestruction projet	0.00	0.01	0.06	0.60	0.00	200	65.78	0.00	0.00	65.63

Note: Worker commute delactivalues can be eventagen in coto 0113 through D11

Washes Community Emission	Black Controller of Mandres									····-
The should	Comparies Calcult Visition	Default Makaze								
Wieel con-wey bit	10.00		CONTRACT	Celevated						
Can-avau trian X 6s	200		Cally Trice	Daily VMT						
No. of employment Geröbings and Classic	10.00		20.00	230.00						
No. of employees: Grading/Excayabo	10.00		20.00	200.00						
No. of comissions: Concession/States/Sub-State	10.00		20:00	200.00						
No. of employees: Povit:	10.00		20.00	230.56						
Emission Rates	ROG	¢0	NÓX	Palso	P342_5	SÓK	002	CH4	6120	COZe
Grundung/Land Cleaning (grame/mile	0.04	1,51	0,17	0.05	0.22	0.00	463,73	0.0%	0.01	426.12
Greding/Excevation (grame/mile	0.04	151	0.17	0.05	622	0.00	403.73	0.01	0.01	406.12
Draining/UEIstes/Sub-Grade (grams/mile	0.04	1.51	0.17	9.05	0.92	9.00	403.73	0.01	0.01	406.12
Paving (grame/m/o	0.04	1.51	C.17	0.05	0.02	3.00	403.73	0,01	0.01	406,12
Grubbang-Land Clower 3 (grams/bite	28	3.62	C.30	0.00	0.00	0.00	69.60	6.02	0.01	93,78
Grading/Excevation (grama/bip	1.28	3,62	0,30	0.00	0.00	0.00	80.60	0.02	9.0%	93.79
Draining/Utilities/Sub-Grade (grams/3tp	1.28	3.62	0.30	0.00	0.00	0.00	\$9.60	0.02	0.01	93.79
Poving (grame/trip)	1,28	3.62	0.30	0.00	0,00	0.00	89,60	0.02	0.01	03,79
Emhasions	ROG	<u></u>	KÓN	P/610	PIA2.5	SOX	C02	<u>CH4</u>	1120	CO2e
Pounce por day - Grupbing Land Cloudin	0,07	0,83	0.09	0.32	0.01	0.00	18:_97	0.0*	0.00	163.20
Tone per const. Period - Grubbing/Land Cleanin-	0.00	0.00	0.00	0.00	0.90	0.00	1.09	5.00	0.00	1.10
Pounde par dev - Greding/Excervado	¢.07	C.83	0,09	0,002	0,01	0.00	181,97	0.01	C.CC	183,20
Tons per const. Peccel - Grading/Excavatio	200	0.07	0.01	0.00	6.00	500	15.29	0.00	¢,00	:5.20
Pounds per day - Drahapa/Ulifda/Sub-Grad	0.07	0.83	0.00	0.02	0.01	0,00	181.07	0.01	0.00	163,20
Toma per const. Period - Drainsgo/Ubittles/Sub-Grad	D/00	0.00	0.00	0,00	0.00	0.00	1.09	0,00	0.00	1.10
Pounds por day - Pavery	D.07	0.83	0.29	0.62	0.01	0.00	181.97	0.01	0.00	163,20
Tom par const. Pariod - Paving	0,00	0.07	0.00	0.00	0,00	0,00	2,18	0,00	0,90	2.20
Total lone per construction projec	0.01	0.09	Ç.01	0.00	0.00	0.00	19,65	C.00	0.00	10.78

Flate. Water Treek defacts votues can be eventider, in cells D145 through D148, and F145 Brough F148,

Weler Truck Emissions	User Oxemate of	Program Estimate of	User Override of Truck	Dofault Volume	Continued					
User Input	Dolauli # Vistor Trucka	Number of Water Trocks	Miller Travelod/Velvcio/Day	Kies Travoled/Vehicle/Day	Daty VMT					
Grubbing-Land Clearing - Sxhauel	2.00				0.90					
Grading/Excevation - Exhaust	1.00				0.00					1
Crainage/Cilifice/Subgrade	1.00				0.00					1
Pedra	1.00				0.00					
-										
•										
2010+ Model Year Mitigation Option Emission Rates	ROG	<u>co</u>	NOX	Ph/16	PM2.5	\$Ôx	002	CHA	N2O	CO2e
Grubbing/Land Cleanny (grama/milé	0,07	0.35	1.54	0,10	0,04	0.02	1,564,26	0.00	0.05	1.620.06
Grading/Excevation (grams/mile	0.07	0.35	1.54	0.10	C.D4	0.02	1,604.26	0.00	0.05	1,620,06
Craining/Utildes/Sco-Grade (grams/mile	0.07	0.35	1,54	0.10	0.04	0.02	1,604,25	0.00	C.C5	1.620.00
Paving (gramvinile)	0.07	0.35	1.54	0.10	0,04	0.02	1.604.25	0.00	0.05	1,620.06
Emissions	RDG	<u></u>	NOx	PM10	PLQ.5	50x	CD3	CH4	N20	CO2e
Pounda per day - Grubbing/Land Cleann	00.0	0.00	0.20	0.00	0.00	0.00	0.00	0,00	0.00	0.00
Tons per const. Ponod - Grubbing Land Closity	00.0	0.00	0.00	0.00	0.00	00.00	0.00	0.00	0.00	0.00
Pounds per day - GraCog/Excevatio	0,00	0,00	0.00	0.00	0,00	0,00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavatio	D.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
Pounda per day - Drainage/Utilities/Sub-Cirod	0.00	0,00	. 0,00	0,00	0.00	0.00	0.00	0.00	0.00	0,00
Tono per const. Period - Drainege/USINewSub-Gred	0.00	0.0	9.00	0.00	0.00	0.00	0.00	0.00	0,00	C.00
Pounds per day - Pavin	0.00	6,00	0,00	3,00	0,00	0.00	0.00	9.00	0.00	0.00
Tone per const. Per of - Paving	0.00	0.09	0.00	9.00	CO 6	0.00	3.05	0.00	0,00	0.00
Total tare per construction aro ac	0.00	0.00	0,00	0.00	¢.00	0.00	0.00	0.00	0.00	0.00

Note: Figure dust consult values can be available in calls D171 through Q173.

Fugidve Ovet	Uner Overfide of Mite Acresco Disturbed/Day	Detaut: Navimum Acroso/Co-	PM10 pounds/csy	PM10 tone/per po/pc	PSOLE pounduides	PM2.5 tome/per purior
Fugero Dect - Gradulogicand Cleanin Fugero Dect - Grading Excention			20.00	6.12 1.68	4.16 4.16	6,62 0.35
Fugders Duel - Orainage/Utilite/Subgrad		<u></u>	26.06	0.12	4.16	0.02

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Values In calls C185 (Fraugh D210, 0:134 through C207, 0285 (Moregh D318, and D336 (Moregh D365 are required when "Other Proped Type" is select

Off-Road Equipment Emiliational		_												
	Dobuit	Milgation Op	<u>går</u> ,		Motions reflect re-	duction due lo 201	a full cand 45	Exhaust PM re	duction Mikria	tion Option Se	146			
uoding, 1.849 Citating	Number of Vahicles	Overrige of Densus Equipment Tion (application	Deduct		ROG	60	NOx	P3410	P142.5	SOx	CO3	CH4	520	COI
Overside of Delty & Number of Veb size	Proven manthemate	BOLY WISH "HE 4 AMIGSSON" COBON												
	Programmedicisate	344(300)	Equipment law	Туре	poundelikiny	por do/cay	poundationy	pound#/t/ary	pounds day	pour durday	pour to day	bour saiday	_poundary	paraatig
1.00		-{	NOGEL CERTER IN	Acrail Lea	0.00	0,00	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.6
			N-SOCI LIGHTUM	All Completion	0,44	2.49	2.33	0.13	0,13	0.00	375.2B	0.04	0.00	377.1
			MODOI LIOPIUS TIGI	Bororon R 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0	<b>3.00</b>	0.0
2.00	·		MOREI Delli III	Comon and Montar Noten	0.00	0.00	0,00	0.00	0.00	0.00	6,00	2,00	0.00	0.0
1.00			MOCEL DEIGTOR INC.	Concrete/and cetrial Save	1.16	7.50	6.82	0.34	0,34	0.01	1 185,33	0.10	0.01	1,1\$0.5
2.00				Crano	0.65	2,76	6,15	0.19	0.17	0,01	577.24	C.78	0:00	553.1
			Model Densus 7 xet	Crawter Trastori	1,36	5.50	14.54	0.38	0.35	0.02	1,578.92	0.48	0:01	1,593.0
101			Notel Delaut 1-6	Crushing Proc. Equipment	6.00	0.00	0.00	0.00	0,00	0.00	0.00	C.00	0.00	0.0
		· · · · · · · · · · · · · · · · · · ·	Piciter Oetaus Tree	Excavalore	9.36	3.44	3,23	0.11	0.10	D.01	544.60	¢.17	0.00	\$50.1
200			1:63el Ushalat, Ties	Forkuste	0.42	2.50	2.92	D.17	0.15	0.00	312.51	0.10	0.00	315.7
		+	Model Delaue Tier	Generator Sets	1.14	7.55	7,14	0.33	0.33	0.01	1,246,07	0,10	0.01	1,251.3
			Alodof CottoLE Ties	Graders	0.00	0.00	D.60	0.00	0.00	0.00	0.00	0.00	0.00	0,0
		·	Model Dotaux Tex	Of Highway Tractors	0.00	0,00	0.00	0.00	0.00	0,00	0.90	0.02	0.00	0.0
			Model Detault Tex	Of History Truste	0.00	0.00	0,00	0.00	0.00	0.00	0.00	3,03	0.00	0.0
200			Model Cotaut Tic:	Other Construction Equipmen	1.28	8.51	11.20	C,41	C.37	0.01	1.263.73	3.39	D.04	1,276.6
			Model Detruit Tie-	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	D.0
			Model Desault Ter	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
			Modal Default Tity	Pavera	0,00	0.00	0.00	6.00	0.00	6.00	0.00	0.00	0.00	
			Model Default Tion	Paving Equipment	0.00	0.00	0.00	0.00	D.00	0.00	0.00	0.00	0.00	0.0
			Lind of Dotwell Tree	Plato Compectant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00
			Mocol Defsul Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	00
			Stodiol Cofault Tros	Purnos	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	8 M	0.0
			Manal Data di Tier	Robert	0.00	3.00	0.00	0.00	0.00	200	6.00	0.00	6.00	
			Model Cefruit Tier	Rough Termin Fedditu	0.00	000	2.00	0.00	500		ā	0.00	0.00	
2.00			Aanta Daniut Tka	Rubber Tired Dezers	2.38	19.88	21 11	0.47	0.67	0.00	1 820 02	0.58	300	4 838 5
			Nodel Default Tion	Subber Tired London	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.36	5,02	1,000.0
			Model Detaut Tie:	Scrandte	0.00	0.00		0.00	àm	0.00		0.00	0.00	0.0
2.00			Model Certault Vie:	Signel Founds	6.11	0.60	0.53		0.00	0.00	0,00	0.00	0.00	0.0
			Model Delay of Lat	Sid Storr London	0.00	0.00	0.00	0.00	0.02		80.03	0.01	0.00	\$98.1.
			Model Detruit T.A	Suction Fouriement	0,00		0.00	0.00	0,00	0.00	0.00	0.00	0.00	0,00
1,00		·	Projet Ontra C Test	Successive Country of the	0.00	2.00	3.60	0.00	0.00	0.00	0.00		0.00	0.0
2.60			Model Delays Test	Tracing & and and an Oracity of	0.51	200	2.30	0,13	0,14	0.00	209.05	0.08	0,00	262.5
		· · · · · · · · · · · · · · · · · · ·	Model Onte & Tex	Transhore	0.04			0.25	0.23	0,01	643.08	0.20	0.01	649.5
			Model Dofe 2 Tes	Wettern	0.00	0.00	0.00		0.00	0.00	0.00	. 0.00	0.00	0,0
					0,00	0.20	0.00		0.00	0.00	0.00	0.00	0.00	<u> </u>
-Delined Olt-road Equipment	If non-delauit volvides are use	d, ploase provide information is 'Han-delasti	Cti-rudd Equipment' :		ROG	60	NC2	PHIO	P142 6	500	002	C144	820	001
Number of Vobides		Equipment T	les .	Тура	pounda/Sav	Dounds (day	opundaday	on ande view	oter define	nou maintaine	ocum di stras	C DISTRICT IN	001004550	econorde television
		NA			0.00	615	0.00	0.00	0 OC	6.00	0.0	000	0.00	
0.00		N/A		- i	0.00	6.00	õõ	0.00	0.00	6.00	0.00	0,00	0.00	0.00
976		N/A			0.00	0.00	0.00	0.00	0,00	600		0.00	6.00	0,0
0.00		N/A			0.00	0.00	0.00	800	0.00	0.00	0.00	0.00	0.00	
0,00		NIA		-	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0,00	0,0
0.00		5/A		-1 *	. 0.00	0.00	0.00	000	0.00	0.00	0.00	0.00		0.0
3.00		N/A		č	0.00	0.00	0.00	0,00	0,00	0.00	0.00	0.00	0,00	0,0
						0.00		0.00	0.50	3.00		0.00	0.00	0.0
	Snubbing Land Clearing			pounds por day	10.32	67.64	83 44	3.14	295	0:0	9 903 75	ת איי	0.08	6 097 5
	Grubbing/Land Clearing			tore por chase	0.06	0.41	0.50	0.02	0.02	0.00	50.42	1.00	0.00	
					4.40	0.41		0.44	1.42	0.00	20.00		0,00	

24.3

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·	Octave	1.11.100 C	201124		f successor college and		AT be not at the	a hadron a filled of	duction Lifting					
GradingEscavation	Number of Vehicler	Overside ct	Detaut		ROG	00	NOV	2 21.00317.7 IQ 21410	PV25	101.002.000 100	n	CH4	NND	2000
•		Dolaut Equipment Tior (applicable					-10-1				~~~	G1.4	11202	
		only when "Ter 4 Migston" Option												
Overtide of Detroit Number of Vehicles	Program-astimate	Selected)	Equation Ter	Турс	DOUNG LIGHT	pounds/day	poundo/Cay	pounde/dov	DOUNCE/day	ooundw/day	ocurrido/d ov	pounds/day	coundatesv	DOLLING#/KINY
			Model Detaux Ties	Aorol Life	0.00	2.00	0.00	0.00	0.00	0.20	600	2.00	0.00	0.00
( · · · · · · · · · · · · · · · ·			Model Dataut Tier	Air Compression	0.00	0.00	0.00	0.00	0.00	0,30	0.00	0.00	0.00	0.00
	)		Model Detault Tier	Bore/Onli Riga	0.00	0.00	0.00	C.D0	0.00	0.00	3.00	0.00	0.00	0.00
269			Model Detect Tie-	Comert and Merica Mitron	0,12	0,62	0.59	0.02	0.02	0.00	101.03	0.01	0.00	101 55
			Model Coloux Tier	Concrete/Industrial Seve	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model OstaLE Tio	Crance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Dote: 2 Tes	Crawler Treston	D.00	0.00	0,00	6,00	9,00	0.00	3.05	0.00	6.05	2.20
			Atedes Onteue Tion	CountryProc. Equipment	0,00	0.00	0.00	C.CD	0.00	0.00	0.00	0.00	0.00	0.00
200			Medial Cetaux Trea	Excevalor	0.73	0,65	8,47	0.22	0.20	D.01	1,089.21	0,33	6,61	1,100,33
200			Model Devourt Tree	Forkling	0.42	2.50	2.92	0.17	3,15	0.00	312.51	0.10	0.00	315.70
2.00			Medel Detaux Tre	Generator Sola	1,14	7,55	7,14	0.33	9.33	0.01	1,246,07	0,10	9.9*	1,251,38
			Rodel Detault Type	Gradere	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Desput Tas	Of Highway Tracion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C.00	D.30	0.00
	1		Model Detauti Tas	Cri-History Trucke	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Delauti Tra	Other Construction Equipmon	2.45	17.01	22.40	0.81	0.75	0.02	2,527.46	C.77	D.02	2,553.3
			Model Delauti Tie:	Office General Industrial Equipment	0.00	0.00	0.00	D.00	0.00	0.00	¢.00	0.00	0.00	0.00
1,00			Medel Default Tio:	Other Motorial Kanding Equipmen	0.50	3.95	423	0.15	0.14	C.01	587.25	Q. 18	0,01	\$93,25
			Model Colovit Tier	Pavon	0,00	0.00	0.00	0.90	0,00	0,00	0.00	9,00	0.00	0.00
			Model Detruit Tio	Paving Ecclement	0.00	D.00	0.00	0.00	00.2	0.00	0.00	0.00	0.00	0.00
			Nosel Delast Tia	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		·	Model Detruit Tier	Proscure Wachers	C.D6	0,00	0.00	0.00	C.CO	9.00	0.00	0.00	0.00	0.00
			Nonel Densul: 1 KH	Pumpe	0.00	D.00	0.00	0.00	0.00	0.00	D.00	0.00	0.00	0.00
			Model Detecti Fier	Roten	0,00	0,00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	0.00
			Madel Denut Tex	Rough Terrain Souding	0.00	D.00	0.00	0.00	0.00	3.00	D.CO	9.00	0,00	0.00
·· _ · _ · _ · _ · _ · _ · _ · _			Postol Defect Tion	Rusber Tired Dozens	9,00	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00
			Madel Defect Tier	Rubber Thed Loaden	300	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.03
			Pasal Default Tier	Scraphin	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0,00	0.00
200		[	21000 Distant Tici	Signal Boards	3.11	0,60	0.58	0.02	0.02	0,00	68.63	0.01	0.00	99.13
			Shockel Cleanedt 7104	Skel Stoer Losden	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	3.00
			- Media Liana Line	Statuting Equipment	0.00	0.00	0.00	6,00	0.00	0.00	0.00	0.00	0,00	0.00
1.00			LIDGE Defend Tiel	Swoopon/Scrubben	0.37	2.03	2.50	0.15	D.14	0.00	259,85	9.68	0.00	262.50
200			LAOC OL LIGITUEL IN	Tractoriounarenoitectatees	0.64	4.84	4.92	0.25	0.23	0.01	\$43.09	0,20	C.01	549.65
			HOCOL LIGITURE TICH	Insocore	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.03
			MOCOL COMPUT. 1.01	Incisione	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
Lises-Defined Off-read Foulement	If disc. Children amb black data and a	l nfans a nur fra Internation 's 'Konstats	WE Concert For annual's						-					
Number of Johnson Equipment	In a second weather are de-	S SEGESS PROVIDE IT OFFICIAL OF SUBJECT	The Concept Editions	T	NUG		NUX	1010	PMZ.5	sox	CC2	CH4	5120	CO20
1140		E SOUGHT		1990	pounde/38%	poundsidary	pounderany	poundaveny	pouncerez,	poundercay	pounds or	_ countra day	poundation	pounde/cay
000		MA		- 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100			• • • •	- 1	0.00	0,00		0.00	0.00	0.00	0,00	0.00	3.00	0.00
		hira.		-1	0.00	0.00	010	0.00	0.00	0.00	0.96	6.00	2.30	0.00
E.00		NiA		-1 %	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00
000		8/4			0.00	0.00	0,00		0.00		0,00	0,0	5.00	0.00
600		17 A			0.00	200	0.00	0.00	0,00	0.00	0.00	0.00	3.00	C.DC
				·	. 0.00		0.00	0.00		0/20	0.00	0,00	0.00	6.00
	Gradina/Excevation			payode oor day	6.50	14.03	51 75	2 . 2	1.64	0.07	6 865 10	4 78		6 000 04
	Grad ra/Excevation			ID DO DOT BODDE	0.55	1.07	4.35	018	1,36	0.07	576.67		0,06	50105
					0.00			0.10	0.17		÷10.01	φ, φ	0.00	261.63

Data         Data <thdata< th="">         Data         Data         <thd< th=""><th></th><th></th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></thd<></thdata<>			-												
District Wallburghöges         District Brown in Strate (Strate in Strate		Colecti	Mit gapon Cipsio	<		to sale to reliber res	Lauge due 16 207	<ul> <li>Not and 45.</li> </ul>	A & chourst PM re	duction Milat	Con Collen Se	ACC			
Octative (3/b) Bitmer (Vancher         Auge 14 (2/b) Bitmer (Vancher         Auge 14 (2/b) Bitmer (Vancher         Description         monthly mont	DrainsgeU(Bildes/Subgrade	Number of Vehicles	Overtice of Denius Equipment Tier (applicable	Dofault		<b>R0</b> G	¢	NOX	PNISO	PM2.5	SOX	CO2	CH4	N2D	CO2e
Image: Control of the state of the	Overtide of Colsult Number of Vehicles	Program-estimate	Solucion Constant	Equipment Tier		pour de/day	pounda/Sev	ooundu/Gav	pounda/sav	ooundektav	acurate/day	pounds/day	Source May	onunde/Sev	201-Debider
Image: Control of the second				Wodel Default Ties	Aortal Lata	0.00	9.00	0.00	0:0	0.00	0.00	0.00	0.00	0.00	6.00
100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100 <td></td> <td></td> <td></td> <td>Model Defact Tio</td> <td>Air Completion</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>D.90</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>6.00</td>				Model Defact Tio	Air Completion	0.00	0.00	0.00	0.00	D.90	0.00	0.00	0.00	0.00	6.00
200         by all Other Tar.         Control State Tar. <td>1.00</td> <td></td> <td></td> <td>Model Default Tier</td> <td>Sore-Drut Rige</td> <td>0.32</td> <td>2.00</td> <td>3.65</td> <td>0.07</td> <td>0.07</td> <td>D.01</td> <td>597.65</td> <td>0.28</td> <td>0.01</td> <td>926.65</td>	1.00			Model Default Tier	Sore-Drut Rige	0.32	2.00	3.65	0.07	0.07	D.01	597.65	0.28	0.01	926.65
m         Model (Desc) Train         Construction Links (Links (Li	2.00			Model Derech Tier	Convert and Monter Mitten	0,12	0.62	0.50	0.02	D.02	0.00	101.03	0.01	0.00	101.55
·         Medi Digita Tech         Const mana         Solid         O.C.D         D.D.D         D.D.D <thd.d.d< th=""> <thd.d.d< th="">         D.D.D</thd.d.d<></thd.d.d<>				Model Detaul Tio	Concrete/Industrial Sawi	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.30	9.00	C.0C
Image: Constraint of the second process of the second proces of the second proces of the second process of th				Negal Darsch Tier	Cranes	0.00	0.00	0.00	0.00	D.00	0.00	0.00	0.00	0.00	0.00
10         Made Digital Transmission         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.				Model Detault Ties	Crawler Tractors	0.00	0.00	0,00	0,00	0,00	0.00	0.00	0.00	9.00	6,06
				Magel Default Tics	Crushing Proc. Eculoment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.09         Model Security Tom         Peddle         0.02         2.23         2.42         0.17         0.16         C.20         71.54         0.10         0.00         0.15	1.00			Model Dotaut: Tier	Excavean	0,36	3.44	3,23	0.11	0.10	0.01	544.60	D.17	0.00	550.17
Image: Second	2.00			Model Default Tion	Fordina	0.42	2.50	2.92	0.17	0.15	0.00	312.51	0,10	0.00	315.70
Image: Control of the contro				Magel Detaut Tion	Generator Sets	0.00	0.00	0.00	0.00	0,00	0,00	0,00	0,00	0.00	0.00
Alto         Excel benefit for benefit for the set of th				Model Detaut Tier	Gradom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	D.00	0.00	0.00
ADD         Model Descal for Model Descal				Model Defeat Tion	Cill-Highway Tracton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
4.00         Hedd Color Tic         Core Grantitulin Ecoloren         2.53         17.01         22.40         0.81         07.0         20.71         60.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <td></td> <td></td> <td></td> <td>Model Donath Tio</td> <td>Col-Highway Trucks</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>2.00</td> <td>0.00</td> <td>0.00</td>				Model Donath Tio	Col-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
Image: Construction of the second industrial for Construction of the second industrial for compares         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00	4.00			Model Colault Tio:	Other Construction Equipment	2.55	17.01	22.40	0.81	0.75	0.02	2,527,45	0.77	0.02	2.553.31
Meet Design Tys.         Oper Match Line Cry Equipmer         CO2         DO0				Model Defead Tio:	Coner General Industrial Eculome-	0.00	0.00	0,00	0,00	0,00	0.00	0.00	0.00	0.00	0.00
Image: Control of the start for the start is start in the start in the start is start in the				Model Dolauk Tie:	Other Meterial Handling Equipmen	0.00	0.00	0,00	0.00	0.60	0.00	3.05	0.00	0.00	0.00
Image: Control of the set of the		· · · · ·		Model Celesti Te:	Pavors	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,09
Image: Description of the construction of the construle of the construction of the construction of the				Model Datase Tra:	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Dotsuli Tin	Plate Compector	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
Model Delast 157         Pumps         C.CO         U.OU         D.OU         D.OU <thd.ou< th="">         D.OU         D.OU<td></td><td></td><td></td><td>Model Dolard Tro.</td><td>Pressure Washers</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td></thd.ou<>				Model Dolard Tro.	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Image: Constraint of the second of				Mocel Delaut Txr	Pumpi	6.00	0.00	0.00	D.90	0.00	D.00	0.00	0.00	0.00	3.03
Image: Control of the set of the				Model Debut Tim	Roller	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Medic Definition 1:e         Rober Tried Datam         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00				Model Delaut Tax	Rough Terrain Fordia	0.00	D. <b>D</b> O	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00
Image: control of the second				Mosel Coleuri Ties	Rubber Tired Dezera	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Setsul Tie:	Rubber Tired Loaden	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00
2/9         Model Control Trier         Sec Store Leader         0.11         0.60         0.22         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00			<u> </u>	Model Colaudi Los	Scriptore	0.00	0.00	D.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00
Image: Number of Verticity of the state of the	260		1 ·	Model Octauti Tra	Signal Boards	0.11	0.60	0.58	0.02	0.02	0.00	84.63	Ć D1	0.00	R9 13
Image: contract of the second of th				Model Octour Teer	Sical Steer Leaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 <sup>2</sup> Number of Variables are used, planeters in transition in transingenenee end in transition in tra				Model Deleta Tre	Surfecting Equiamon	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
400         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000	1.00			Medal Octaul Tion	Sweenen Sonober	0.37	2.08	250	0.15	0.14	0,00	250.85	0.00	0,00	262.50
Number of Vibrides         User/selating         Type         District (3)         COD	4.00			Model Octaul Tars	Tractors/Londers/Sackheet	1.28	8.67	8.84	0.54	9.47	0.01	1,256,18	0.30	0.01	1 289 30
Visite         Visite<			i	Model Octaus Tex	Trachers	3.00	0.00	0.00	0.00	200	0.00	0.00	ññ	0.00	0.00
User-Optimed Off-read Equipment         User-Optimed Off-read Equipment         User-Optimed Off-read Equipment         Note of Vibrides (0,0)         Optimed Vibrides (0,0)			· · · · · · · · · · · · · · · · · · ·	Medal Details Tio	Welder	0.00	0.00	0.00	0.00	200	0.00	0.00	0.00	0.00	0.00
User-Op/Energy         User-Op/Energy         End         End <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>* **</td> <td>*1**</td> <td>1.44</td> <td>4.44</td> <td>4.44</td> <td></td> <td></td>									* **	*1**	1.44	4.44	4.44		
Number of Vibricks         Equipment Tor         Type         pointwide	User-Defined Off-road Equipment	is non-details websites are use	0, éléáse provide information in 'Non-Colaul; Ó	Stream Equation:		806	00	KON .	P1410	PM2.5	504	D02	CHA	N2C3	0026
0.93         NHA         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.0	Number of Vehicles		Editioment Tion		Type	pounda/day	nou and middle	on todavides	and mile view	noundation	no politica	noundistan	DOUDDIN/day	ANI THEAST	nours/ strips
043         100         100         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.	5.00		AUM		1 0	0.00	0.00	200	0.00	000	0.00	0.00	000	000	0.00
0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <t< td=""><td>0.03</td><td></td><td>NVA</td><td></td><td><b>1</b> ā</td><td>0.00</td><td>202</td><td>000</td><td>0.00</td><td>0:0</td><td>0.00</td><td>0.00</td><td>âm</td><td>0.00</td><td>0.00</td></t<>	0.03		NVA		<b>1</b> ā	0.00	202	000	0.00	0:0	0.00	0.00	âm	0.00	0.00
0.00         NMA         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.0	0.00		NUA		1 6	0.00	0.00	0,00	ññ	0.00	0.00	0.00	200	0.00	0.00
C (2)         V/A         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U </td <td>0.00</td> <td></td> <td>NIA</td> <td></td> <td>1 ំ</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>6.00</td> <td>0.00</td> <td>0.00</td>	0.00		NIA		1 ំ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00
6.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <th< td=""><td>0.00</td><td></td><td>NA</td><td></td><td>1 õ</td><td>0.00</td><td>0.00</td><td>000</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>100</td><td>200</td><td>0.00</td></th<>	0.00		NA		1 õ	0.00	0.00	000	0.00	0.00	0.00	0.00	100	200	0.00
C.00         NOA         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D <thd< th=""> <thd< th="">         D         <thd< th=""></thd<></thd<></thd<>	30.0	·	NVA		า่ ถ้	0.00	000	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0,00
Dratingse/Ultitive/Sub-Orack         pounds per site         Contract (Contract (Contrat) (Cont	C.06		NA		1 8	0.00	6.00	602	0,00	0.00	6.00	ñõ	0.00	0.00	0.00
0000000000000000000000000000000000000		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			v.w	6.00		- 0.00	0.00	w.v4		0,00	0.00	0.00
Drd_mgadull/spr\$ub-Spect		Orainage/Util/Sou/Sub-Orack			pounds per des	5.54	37,50	45.73	1.64	1.7**	6.04	E 327 97	1.81	0.25	6 389 51
		DrazmondullLinu/Sub-Grade			tons per phase	0.03	0.23	0.27	0.01	0.01	6.05	38.17	0.01	0.00	38.57

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Paving	Number of Vahicles	Overtide et	OctaLE		DUP DESIGNATION	00,00,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,0000	11000000	E LINDAUT MAX 10	000000000000000000000000000000000000000	Sh Opton Sel	NC:			
		Dolack Equipment Tier (appleable						P-0.10	- United and a second s	204	002	ÇE4	NZO	COZa
		only when "Tier 4 Miligation" Option												·
Overside of Default Nember of Vehicles	Program-eccimate	Selected)	Equipment Tier	Туро	pounds/day	sounds/day	econde/day	pounda/Cav	oound ski sv	coursele/cmr	ocunde/itev		Atomdalitas	and a set
	<u> </u>		Stadel Default Tree	Aoriol Utta	0.00	0.00	0.00	0.00	0.00	0.00	0.41	COL	eco	00000000
			Hodel Default Tier	Air Comprossors	0,00	0.00	0.00	0.00	D.00	0.00	0.00	0.00	0.00	200
			Model Default Tim	Both/CtB Rigs	0.00	0.00	0.00	0.00	0.00	e.DC	0.00	Ć DC	0.53	200
			Model Cafeshit Yes	Coment and Morter Miron	5.06	0.00	6.20	0.00	0.00	0.06	0.00	0.00	6.00	500
	·		Stodal Catavit Tree	Concrete/Industratal Save	0.00	D.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
			Model Default Tree	Cranos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
·			Stodel Default Tip	Crawler Tractory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00
			Secol Domail Tros	Cruzhine/Proc. Equipmon:	0.00	0.00	0:00	0.00	D.00	0.00	0.00	0.00	0.00	200
			Model Celeut Tim	Ercovolori	3.00	0.00	0.00	6,00	0.00	0.00	0,00	0.00	0.00	2.00
			Model Default Tips	Forfills	0,00	D.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	3.00
			Medel Cofetilt Tite	Generalor Sea	1.14	7.55	7.14	C.33	0.33	0.01	1,245,07	0.10	0.01	1.251.38
·····			Linds Collect Tip	Gazden	3.00	0.00	0.00	C.OC	0.00	0.00	3.00	0.00	0.00	3.00
·			Stopal Defead Tion	Off-Highway Tractore	0.00	D.00	0.00	0.00	D.30	3.00	0,60	0.00	0.00	201
			Lodol Celault I loi	Off-Highway Trucks	3.00	0,00	0.00	0.00	0.00	9.00	0.60	0.00	0.00	9.00
			Madel Défeail Ter	Other Construction Equation	0.00	D.00	0.00	0.00	0.00	C.00,	5.60	3.00	0.00	0.00
<u> </u>			Nodel Celaut Tial	Other General Industrial Equipment	0.00	0.00	D. <b>O</b> O	0.00	0.00	3.03	0,00	2.00	0.00	0.00
			Model Dolault Tion	Other Material Kandling Equipmen	0.00	0,00	0.00	0.00	¢.00	3.00	0.60	3.00	0.00	0.00
200			Model Default Tion	Paven	0,73	5.72	6,50	0.22	0.20	3,01	931.42	3.29	0.01	843.93
	· · · · · · · · · · · · · · · · · · ·		Notel Delaul Titl	Poving Equipment	6.57	5.11	5.19	0,18	0.16	3.31	627,02	3.25	0.01	835.47
			Madel Dolpaul Tier	Plato Compectant	0.00	0.00	0.00	0.00	6,00	9,00	0.00	0.00	0.00	0.00
			Model Default Tion	Proseure Washers	C.00	D.00	0,00	0.00	0.00	3,00	0.00	0.00	0.00	0.00
<u> </u>			Model Cetaul, Tier	Purpa	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00
2.00			Model Default Tion	Reten	0.63	4.00	4,70	0.23	6,22	0.01	543.03	0.17	0.00	548.57
			Nodel Delaut Tio	Rough Torrain Forkille	0,00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	0.00	0.00
			Madel Donati Tier	Rubber Tred Dolern	C.DO	0.00	0.00	0,00	0.00	0.09	0.00	0.90	0.00	0.00
·			Hodel Demut Tier	Rubber Tred Louden	¢.00	D.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Colguit Tio	Senden	0.00	0,00	0.00	0,00	90.0	0.05	6.00	0.00	0.50	0.00
			Nadel Defaus Tion	Signal Scards	Ç,11	D.50	0.58	0.02	0.02	0.00	98.63	C.01	0.00	99.33
			Model Delguk Tie:	Stid Stoer London	0.00	0.00	D.00	0,00	0.00	0.00	6.00	0.00	0.00	0.00
* 02			Model Dataul Tip	Surfacing Equipment	0.00	5.90	0.00	D.30	0,00	0.00	0.00	0.00	2.30	0.00
1.00			Model Dahus Tior	Swoopera/Scrubbert	0.37	2.09	2.50	D.15	0.14	0,00	250.85	0.08	2,20	262.50
			Model Debut Tio:	Tactore Loaders Backhoer	0.64	4,84	4.92	0.25	0.23	0.01	643,30	C.20	3.31	649.65
			Model Dofaul Tis:	Trenchers	0.00	0.00	0.00	0.00	6.00	0,00	0.00	0.00	0.00	0.00
·			Motol Dolauk Tio	[Waldon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	G.CC	0.00	0.00
Manufactured Officiand Faultamon	li este delevito della este ser est	• - <b>F</b>												
Simbar of Vables	IN THE REPORT OF THE ONE DOCT	s, prouse provide internation of Nerf-dolba	at OIHroad Equiphent"		ROG		NQs	PM10	P112_5	\$Ov	CO2	CH4	N2D	c020
A DO		equipment	The	ypé .	bounds/day	sounds.do.	ooundaiday	pound s'day	pounde/day	Peninta/day	pounds/day	2007.201627	POLINDa dos	do und propa
0.00		NA		-	0.00	6.00	0.00	9.30	0.00	CAC	0.00	C.00	2,20	0.00
		PUA.		-	0.00	0.00	D.30	0.00	0.00	0.00	0.00	0.00	0,00	0.00
0.00		NA NA		-	0.00	600	0.00	0.00	6,00	0.00	0.00	0.00	0.00	0.00
		N/A		- ?	0,00	¢.00	D.20	0.00	0.00	0,00	0.00	0.00	0.00	0.00
		N/A	•	-	0.93	0,00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	0.00
					0.00	C.CD	0.00	2.00	0.00	0.00	0.00	0.00	0,00	0.00
	<b>—</b> . <b>—</b> . <b>—</b>	N/A		<u> </u>	0.00	0.00	D.00	0.00	3.00	0.00	0.09	D.0C	0.00	0.50
	Pasitor													
	Paulae			bonuar bo. ct.	4,18	20.03	31.53	1,38	: 30	0.65	4,540.11	1,03	0.04	4,587.64
				LONG DOI (PODSC	0.05	<u>c.38</u>	2,38	0.02	3.02	0.00	54.59	0.01	0.00	55.05
Total Emissions all Shares (loss pay construction paylod) en													_	
			• • • • • • • • • • • • • • • • • • • •	·	0.70	4.90	5.50	0.22	3,21	0.61	725.85	0.19	0.01	733.36

Equipment default values for homepower and hoursiday can be evented as in cells (300) through 0424 and F301 through F4

	User Override of	Default Values	User Override of	Dote:IT Votues
direction of the second s	Honsepower	Horegoowar	Hours/day	Koutsiday
orial Life		8		8
ar Comprovisions		78		
ore/Call Riga		206		\$
cmort and Motor Motors		9		8
oncreto/Industrial Sawa		61		
inances .		226		8
www.Troctom		208		
rushing/Proc. Equipment	· · · · · · · · · · · · · · · · · · ·	65	<u></u>	
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oric <b>ite</b>		69	·	
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E-Highway Tractors	·	123	1	
t-Highway Trucks		400		
thar Construction Equamora		172	· · · ·	
ther General Industrial Equipment		38		- <u> </u>
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abor Tied Looders		200	1	
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Data Entry Worksheet

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#### END OF DATA ENTRY SKEET

Data Entry Worksheet

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