Public Sub UpdateEstLaborUsingTradeCity(lngEstimateID As Long)

'written 6-7-04 (for version 2R77 never released) by Joe Arena - worked GOOD!

're-written & improved 5-6-06 by Joe Arena for 2R80 - Works GREAT! very fast.

'I no longer use the functions DailyCost & DailyECost in my querys - querys calc the cost directly.

'A Query that took 18 seconds now takes 1 second. 18 times faster!

'Called by ReCalcAssemblies which is used a lot

'used by DatabaseSetupWizard screens and Project Info update buttons and elsewhere

'This recalcs all Detail unit prices (looking up stored Trade rates) so there are no

'rounding errors. This mimics the calcs in the order the screens will be opened

'Use UpdateEstLaborUsingTradeCity any time you adjust unit prices in both

'an estimate and it's TradeCity by a percentage - avoids rounding errors

'Do NOT use UpdateEstLaborUsingTradeCity if you adjust unit prices by a percentage

'but did not adjust TradeCity trade rates

'this procedure looks up and uses the TradeCity rates

'UpdateEstLaborUsingTradeCity updates RS Means lines as if they are set to use a TradeCity

'- use the separate Sub for RS Means after you do this update to put the Means lines back to the Means values

'Before calling UpdateEstLaborUsingTradeCity...

'TradeCity labor rates must have been adjusted (TradeCosts & EquipCosts tables)

'This Sub updates all DETAILS records. You must call RecalcAssemblies or RecalcEstAssemblies99 when this sub

'is done, so the Assembly's cascading totals are updated in the order you close assembly forms.

'UpdateEstLaborUsingTradeCity has these steps

'<<< Recalc every Detail Line using stored TradeCity hourly rates >>>

'1) recalc all Detail lines that use a crew (crewID exists) - uses stored tradeCity hourly rates \*\*\*

'1a) recalc all Detail lines that use 1 trade or 1 equip (TradeId or EquipID exists) - uses stored tradeCity hourly rates \*\*\*

Dim db As Database, qdf1 As QueryDef

Dim qdf8\_1CR As QueryDef, qdf8\_1TR As QueryDef, qdf8\_1eCR As QueryDef, qdf8\_1eTR As QueryDef

Dim qdf8\_1CROT As QueryDef, qdf8\_1TROT As QueryDef

Dim qdf8\_3CR As QueryDef, qdf8\_3TR As QueryDef, qdf8\_3eCR As QueryDef, qdf8\_3eTR As QueryDef

Dim qdf8\_3CROT As QueryDef, qdf8\_3TROT As QueryDef

Dim qdf9\_1CR As QueryDef, qdf9\_1TR As QueryDef, qdf9\_1eCR As QueryDef, qdf9\_1eTR As QueryDef

Dim qdf9\_1CROT As QueryDef, qdf9\_1TROT As QueryDef

Dim qdf9\_3CR As QueryDef, qdf9\_3TR As QueryDef, qdf9\_3eCR As QueryDef, qdf9\_3eTR As QueryDef

Dim qdf9\_3CROT As QueryDef, qdf9\_3TROT As QueryDef

Dim lngCityID As Long

On Error GoTo Errorhandler

Set db = CurrentDb

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lngCityID = luLabCityID(lngEstimateID)

'<<< Recalc every Detail Line using stored TradeCity hourly rates >>>

'\*\*\* 1) recalc all Detail lines that use a crew (crewID exists) - uses stored tradeCity hourly rates \*\*\*

'\*\*\* 1a) recalc all Detail lines that use 1 trade or 1 equip (TradeId or EquipID exists) - uses stored tradeCity hourly rates \*\*\*

'calc every Component line where Component line has a CrewID

db.TableDefs.Delete "T00008\_1"

'Component lines - CrewID Lab(& no OT)

'for every Component line that has a CrewID (& no OT), calc the labor cost per day for the crew - enter into table

Set qdf8\_1CR = db.CreateQueryDef("", "SELECT TqComponents.ComponentID, Sum(Round([TqCrewTrades.TradeQty]\*IIf(DislngPrefWC()=1,CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay])),CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)) AS LabCostPerDay " \_

& "INTO T00008\_1 " \_

& "FROM (((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqCrewTrades ON TqComponents.CrewID = TqCrewTrades.CrewID) INNER JOIN TqTradeCosts ON TqCrewTrades.MTradeID = TqTradeCosts.MTradeID " \_

& "GROUP BY TqComponents.ComponentID, TqTradeCosts.CityID, TqCsiLines.EstimateID, TqComponents.PercentHrsOnOT " \_

& "HAVING (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.PercentHrsOnOT) Is Null));")

qdf8\_1CR.Execute

If qdf8\_1CR.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

'for the component lines in the table, update DailyLabCost & LabC=LabCostPerDay]/[TqComponents.DailyOutput]

Set qdf8\_3CR = db.QueryDefs("q00008\_3")

qdf8\_3CR.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

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'calc every Component line where Component line has a MTradeID (& no OT)

'calcs where line that's not a crew line and no OT

'Component lines - MTradeID Lab(& no OT) now VERY FAST - went from 18 seconds to 1 second

Set qdf8\_1TR = db.CreateQueryDef("", "UPDATE ((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqTradeCosts ON TqComponents.MTradeID = TqTradeCosts.MTradeID " \_

& "SET TqComponents.LabC = Round((IIf(DislngPrefWC()=1,Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2),Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts].[HrsPerDay]))),2)))/[TqComponents.DailyOutput],2), TqComponents.DailyLabCost = IIf(DislngPrefWC()=1,Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2),Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts].[HrsPerDay]))),2)) " \_

& "WHERE (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.PercentHrsOnOT) Is Null) AND ((TqComponents.MTradeID) Is Not Null));")

qdf8\_1TR.Execute

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'Component lines - CrewID Lab(w/ OT)

Set qdf8\_1CROT = db.CreateQueryDef("", "SELECT TqComponents.ComponentID, Sum(Round([TqCrewTrades.TradeQty]\*IIf(DislngPrefWC()=1,CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay])),CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)) AS LabCostPerDay, TqTradeCosts.CityID " \_

& "INTO T00008\_1 " \_

& "FROM (((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqCrewTrades ON TqComponents.CrewID = TqCrewTrades.CrewID) INNER JOIN TqTradeCosts ON TqCrewTrades.MTradeID = TqTradeCosts.MTradeID " \_

& "GROUP BY TqComponents.ComponentID, TqTradeCosts.CityID, TqCsiLines.EstimateID, TqComponents.PercentHrsOnOT " \_

& "HAVING (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.PercentHrsOnOT) Is Not Null));")

qdf8\_1CROT.Execute

If qdf8\_1CROT.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

Set qdf8\_3CROT = db.QueryDefs("q00008\_3OT")

qdf8\_3CROT.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

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'Component lines - MTradeID Lab(w/ OT)

Set qdf8\_1TROT = db.CreateQueryDef("", "UPDATE ((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqTradeCosts ON TqComponents.MTradeID = TqTradeCosts.MTradeID " \_

& "SET TqComponents.LabC = Round(IIf(DislngPrefWC()=1,(1\*[TqComponents.PercentHrsOnOT]/100\*[TqComponents.MultiplierForOTRate]\*Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqComponents.PercentHrsOnOT]/100)\*Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)),(1\*[TqComponents.PercentHrsOnOT]/100\*[TqComponents.MultiplierForOTRate]\*Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqComponents.PercentHrsOnOT]/100)\*Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)))/[TqComponents.DailyOutput],2), " \_

& "TqComponents.DailyLabCost = IIf(DislngPrefWC()=1,(1\*[TqComponents.PercentHrsOnOT]/100\*[TqComponents.MultiplierForOTRate]\*Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqComponents.PercentHrsOnOT]/100)\*Round([TqComponents.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)),(1\*[TqComponents.PercentHrsOnOT]/100\*[TqComponents.MultiplierForOTRate]\*Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqComponents.PercentHrsOnOT]/100)\*Round([TqComponents.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2))) " \_

& "WHERE (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.PercentHrsOnOT) Is Not Null) AND ((TqComponents.MTradeID) Is Not Null));")

qdf8\_1TROT.Execute

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'Component lines - CrewID Equip

Set qdf8\_1eCR = db.CreateQueryDef("", "SELECT TqComponents.ComponentID, Sum(Round([TqCrewEquip.EquipQty]\*CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2)),2)) AS EqCostPerDay " \_

& "INTO T00008\_1 " \_

& "FROM (((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqCrewEquip ON TqComponents.CrewID = TqCrewEquip.CrewID) INNER JOIN TqEquipCosts ON TqCrewEquip.MEquipID = TqEquipCosts.MEquipID " \_

& "GROUP BY TqComponents.ComponentID, TqEquipCosts.CityID, TqCsiLines.EstimateID " \_

& "HAVING (((TqEquipCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & "));")

qdf8\_1eCR.Execute

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If qdf8\_1eCR.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

Set qdf8\_3eCR = db.QueryDefs("q00008\_3e")

qdf8\_3eCR.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

'Component lines - MEquipID Equipment

Set qdf8\_1eTR = db.CreateQueryDef("", "UPDATE ((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID) INNER JOIN TqEquipCosts ON TqComponents.MEquipID = TqEquipCosts.MEquipID " \_

& "SET TqComponents.EquipC = Round(Round([TqComponents.EquipQty]\*(CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2))),2)/[TqComponents.DailyOutput],2), TqComponents.DailyEqCost = Round([TqComponents.EquipQty]\*(CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2))),2) " \_

& "WHERE (((TqEquipCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.MEquipID) Is Not Null));")

qdf8\_1eTR.Execute

ShowMeter "Calculating Labor", 49

'<<< calc Eline Detail lines where Eline line has Crew or Trade details >>>

'Elines - CrewID Lab(& no OT)

Set qdf9\_1CR = db.CreateQueryDef("", "SELECT TqElines.ElineID, Sum(Round([TqCrewTrades.TradeQty]\*IIf(DislngPrefWC()=1,CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay])),CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)) AS LabCostPerDay " \_

& "INTO T00008\_1 " \_

& "FROM (TqCrewTrades INNER JOIN (TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) ON TqCrewTrades.CrewID = TqElines.CrewID) INNER JOIN TqTradeCosts ON TqCrewTrades.MTradeID = TqTradeCosts.MTradeID " \_

& "GROUP BY TqElines.ElineID, TqTradeCosts.CityID, TqCsiLines.EstimateID, TqElines.PercentHrsOnOT " \_

& "HAVING (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.PercentHrsOnOT) Is Null));")

qdf9\_1CR.Execute

If qdf9\_1CR.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

Set qdf9\_3CR = db.QueryDefs("q00009\_3")

qdf9\_3CR.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

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'Elines - MTradeID Lab(& no OT)

Set qdf9\_1TR = db.CreateQueryDef("", "UPDATE (TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqTradeCosts ON TqElines.MTradeID = TqTradeCosts.MTradeID " \_

& "SET TqElines.UnitL = Round(IIf(DislngPrefWC()=1,Round([TqElines.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2),Round([TqElines.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2))/[TqElines.DailyOutput],2), TqElines.DailyLabCost = IIf(DislngPrefWC()=1,Round([TqElines.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2),Round([TqElines.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)) " \_

& "WHERE (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.PercentHrsOnOT) Is Null) AND ((TqElines.MTradeID) Is Not Null));")

qdf9\_1TR.Execute

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'Elines - CrewID Lab(w/ OT)

Set qdf9\_1CROT = db.CreateQueryDef("", "SELECT TqElines.ElineID, Sum(Round([TqCrewTrades.TradeQty]\*IIf(DislngPrefWC()=1,CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay])),CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)) AS LabCostPerDay " \_

& "INTO T00008\_1 " \_

& "FROM ((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqCrewTrades ON TqElines.CrewID = TqCrewTrades.CrewID) INNER JOIN TqTradeCosts ON TqCrewTrades.MTradeID = TqTradeCosts.MTradeID " \_

& "GROUP BY TqElines.ElineID, TqTradeCosts.CityID, TqCsiLines.EstimateID, TqElines.PercentHrsOnOT " \_

& "HAVING (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.PercentHrsOnOT) Is Not Null));")

qdf9\_1CROT.Execute

If qdf9\_1CROT.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

Set qdf9\_3CROT = db.QueryDefs("q00009\_3OT")

qdf9\_3CROT.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

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'Elines - MTradeID Lab(w/ OT)

Set qdf9\_1TROT = db.CreateQueryDef("", "UPDATE (TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqTradeCosts ON TqElines.MTradeID = TqTradeCosts.MTradeID " \_

& "SET TqElines.UnitL = Round(IIf(DislngPrefWC()=1,(1\*[TqElines.PercentHrsOnOT]/100\*[TqElines.MultiplierForOTRate]\*Round([TqElines.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqElines.PercentHrsOnOT]/100)\*Round([TqElines.TradeQty]\*(CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*((Nz([TqTradeCosts.TradeWCp],0)+Nz([TqTradeCosts.TradePTp]))/100+1)))\*[TqTradeCosts.HrsPerDay]))),2)),(1\*[TqElines.PercentHrsOnOT]/100\*[TqElines.MultiplierForOTRate]\*Round([TqElines.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)+(1-1\*[TqElines.PercentHrsOnOT]/100)\*Round([TqElines.TradeQty]\*(CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost],0)\*[TqTradeCosts.HrsPerDay]))),2)))/[TqElines.DailyOutput],2), " \_

& "TqElines.DailyLabCost = IIf(DislngPrefWC() = 1, (1 \* [TqElines.PercentHrsOnOT] / 100 \* [TqElines.MultiplierForOTRate] \* Round([TqElines.TradeQty] \* (CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost], 0) \* ((Nz([TqTradeCosts.TradeWCp], 0) + Nz([TqTradeCosts.TradePTp])) / 100 + 1))) \* [TqTradeCosts.HrsPerDay]))), 2) + (1 - 1 \* [TqElines.PercentHrsOnOT] / 100) \* Round([TqElines.TradeQty] \* (CDbl(Round2((Round2(Nz([TqTradeCosts.TradeBaseCost], 0) \* ((Nz([TqTradeCosts.TradeWCp], 0) + Nz([TqTradeCosts.TradePTp])) / 100 + 1))) \* [TqTradeCosts.HrsPerDay]))), 2)), (1 \* [TqElines.PercentHrsOnOT] / 100 \* [TqElines.MultiplierForOTRate] \* Round([TqElines.TradeQty] \* (CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost], 0) \* [TqTradeCosts.HrsPerDay]))), 2) + (1 - 1 \* [TqElines.PercentHrsOnOT] / 100) \* Round([TqElines.TradeQty] \* (CDbl(Round2(Nz([TqTradeCosts.TradeBaseCost], 0) \* [TqTradeCosts.HrsPerDay]))), 2))) " \_

& "WHERE (((TqTradeCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.PercentHrsOnOT) Is Not Null) AND ((TqElines.MTradeID) Is Not Null));")

qdf9\_1TROT.Execute

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'Elines - CrewID Equip

Set qdf9\_1eCR = db.CreateQueryDef("", "SELECT TqElines.ElineID, Sum(Round([TqCrewEquip.EquipQty]\*CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2)),2)) AS EqCostPerDay " \_

& "INTO T00008\_1 " \_

& "FROM ((TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqCrewEquip ON TqElines.CrewID = TqCrewEquip.CrewID) INNER JOIN TqEquipCosts ON TqCrewEquip.MEquipID = TqEquipCosts.MEquipID " \_

& "GROUP BY TqElines.ElineID, TqEquipCosts.CityID, TqCsiLines.EstimateID " \_

& "HAVING (((TqEquipCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & "));")

qdf9\_1eCR.Execute

If qdf9\_1eCR.RecordsAffected = 0 Then

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

Else

Set qdf9\_3eCR = db.QueryDefs("q00009\_3e")

qdf9\_3eCR.Execute

db.TableDefs.Refresh

db.TableDefs.Delete "T00008\_1"

End If

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'Elines - MEquipID Equipment

Set qdf9\_1eTR = db.CreateQueryDef("", "UPDATE (TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqEquipCosts ON TqElines.MEquipID = TqEquipCosts.MEquipID " \_

& "SET TqElines.UnitE = Round(Round([TqElines.EquipQty]\*(CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2))),2)/[TqElines.DailyOutput],2), TqElines.DailyEqCost = Round([TqElines.EquipQty]\*(CDbl(Round(Nz([TqEquipCosts.EquipDailyOperCost],0)+Nz([TqEquipCosts.EquipDailyCost],0),2))),2) " \_

& "WHERE (((TqEquipCosts.CityID)=" & lngCityID & ") AND ((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.MEquipID) Is Not Null));")

qdf9\_1eTR.Execute

ShowMeter "Calculating Labor", 95

'calc Components.assMhrsPUnit & Components.assEqDaysPUnit for all component lines where SeeDetails=True

Set qdf1 = db.CreateQueryDef("", "UPDATE (TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID) INNER JOIN TqComponents ON TqElines.ElineID = TqComponents.ElineID " \_

& "SET TqComponents.AssMhrsPunit = IIf(IsNull([TqComponents.DailyOutput]) Or [TqComponents.DailyOutput]=0,Null,Neatnum7([TqComponents.TradeQty]\*8/[TqComponents.DailyOutput])), TqComponents.AssEqDaysPunit = IIf(IsNull([TqComponents.DailyOutput]) Or [TqComponents.DailyOutput]=0,Null,Neatnum7(Neatnum7([TqComponents.EquipQty]\*8/[TqComponents.DailyOutput]))/8) " \_

& "WHERE (((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqComponents.SeeDetails)=True));")

qdf1.Execute

'calc Elines.assMhrsPUnit & Elines.assEqDaysPUnit for all Elines where SeeDetails=True

Set qdf1 = db.CreateQueryDef("", "UPDATE TqCsiLines INNER JOIN TqElines ON TqCsiLines.CsiLineID = TqElines.CsiLineID " \_

& "SET TqElines.AssMhrsPunit = IIf(IsNull([TqElines.DailyOutput]) Or [TqElines.DailyOutput]=0,Null,Neatnum7([TqElines.TradeQty]\*8/[TqElines.DailyOutput])), TqElines.AssEqDaysPunit = IIf(IsNull([TqElines.DailyOutput]) Or [TqElines.DailyOutput]=0,Null,Neatnum7(Neatnum7([TqElines.EquipQty]\*8/[TqElines.DailyOutput]))/8) " \_

& "WHERE (((TqCsiLines.EstimateID)=" & lngEstimateID & ") AND ((TqElines.SeeDetails)=True));")

qdf1.Execute

'<<< Now you must Recalc unit prices in all Assembly lines by calling RecalcEstAssemblies99 >>>

cleanup:

On Error Resume Next

DoCmd.Close acForm, "Meter"

qdf8\_1CR.Close

qdf8\_1TR.Close

qdf8\_1eCR.Close

qdf8\_1eTR.Close

qdf8\_3CR.Close

qdf8\_3TR.Close

qdf8\_3eCR.Close

qdf8\_3eTR.Close

qdf9\_1CR.Close

qdf9\_1TR.Close

qdf9\_1eCR.Close

qdf9\_1eTR.Close

qdf9\_3CR.Close

qdf9\_3TR.Close

qdf9\_3eCR.Close

qdf9\_3eTR.Close

qdf1.Close

db.Close

Set qdf8\_1CR = Nothing

Set qdf8\_1TR = Nothing

Set qdf8\_1CROT = Nothing

Set qdf8\_1TROT = Nothing

Set qdf8\_1eCR = Nothing

Set qdf8\_1eTR = Nothing

Set qdf8\_3CR = Nothing

Set qdf8\_3TR = Nothing

Set qdf8\_3CROT = Nothing

Set qdf8\_3TROT = Nothing

Set qdf8\_3eCR = Nothing

Set qdf8\_3eTR = Nothing

Set qdf9\_1CR = Nothing

Set qdf9\_1TR = Nothing

Set qdf9\_1CROT = Nothing

Set qdf9\_1TROT = Nothing

Set qdf9\_1eCR = Nothing

Set qdf9\_1eTR = Nothing

Set qdf9\_3CR = Nothing

Set qdf9\_3TR = Nothing

Set qdf9\_3CROT = Nothing

Set qdf9\_3TROT = Nothing

Set qdf9\_3eCR = Nothing

Set qdf9\_3eTR = Nothing

Set qdf1 = Nothing

Set db = Nothing

Exit Sub

Errorhandler:

If Err.Number = 3265 Then

'table not found

Resume Next

Else

MsgBox "UpdateEstLaborUsingTradeCity error " & Err.Number & " " & Err.Description

Resume cleanup

End If

End Sub